

NEEGAN BURNSIDE

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**Appendix D**  
**Field Notes**

NEEGAN BURNSIDE

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**Amphibian Surveys**

### Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0  
Please write legibly (in pen).

Observer: <u>Chris Pfohl</u>
Route name: <u>ABH - Frog Calls - Northland</u>

Date (dd-mm-yr): <u>20-04-12</u>	Visit No.: <u>#1 for 2012</u>	
Start time (24 hr clock): <u>2000</u>	Finish time (24 hr clock): <u>2230</u>	
Beaufort Wind Scale No.: <u>6</u>	Cloud Cover (10ths): <u>10/10<sup>ths</sup></u>	Air Temp (°C or °F): <u>6°C</u>
Precipitation (check one): None/dry: <input type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input checked="" type="checkbox"/>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <u>Previous Rain, warm day, cool front approaching.</u>		

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

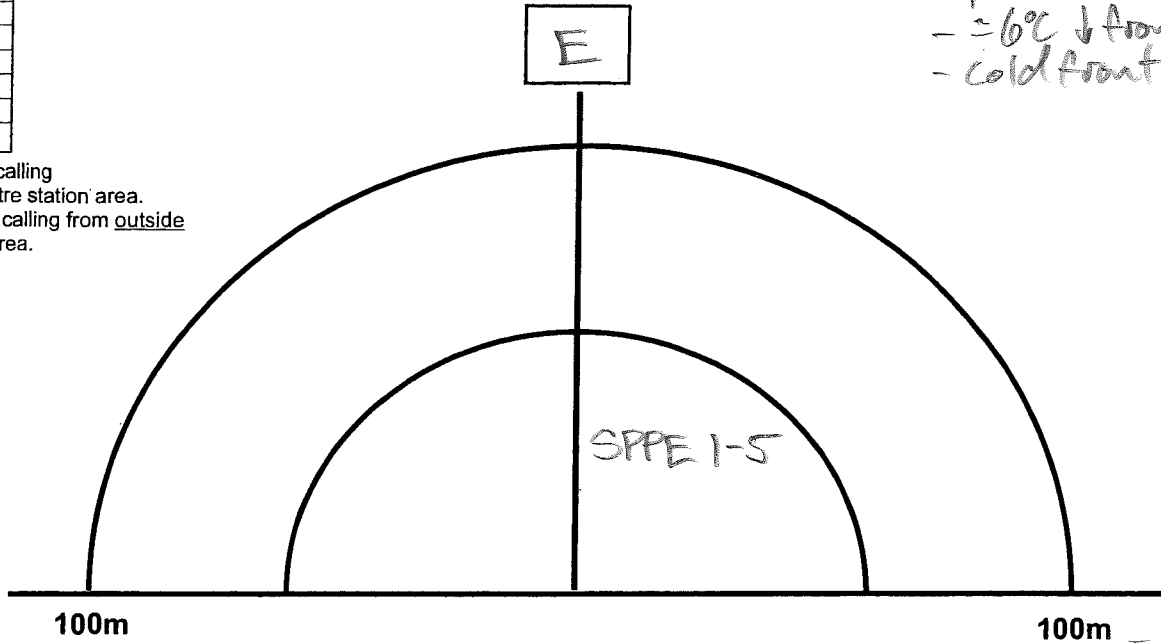
Northland  
Wind  
April 20, 2012.

- moderate wind NW
- previous rain/raining
- = 6°C ↓ from 20°C
- cold front

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE	✓	
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

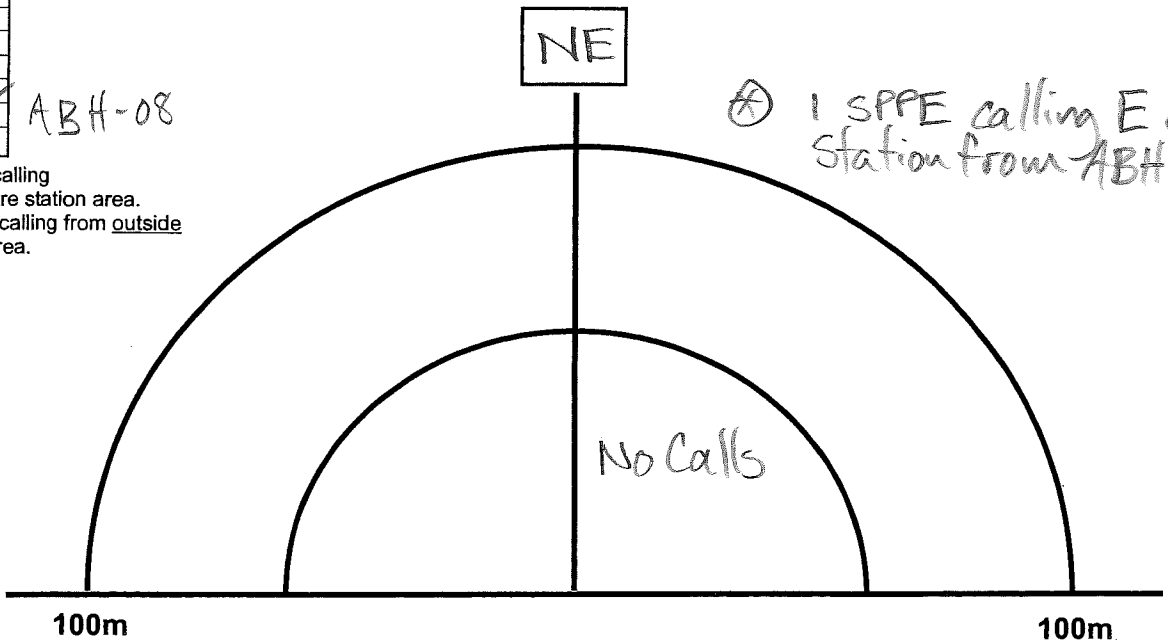
Station A  
ABH-009



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE	✓	
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Station B  
ABH-002

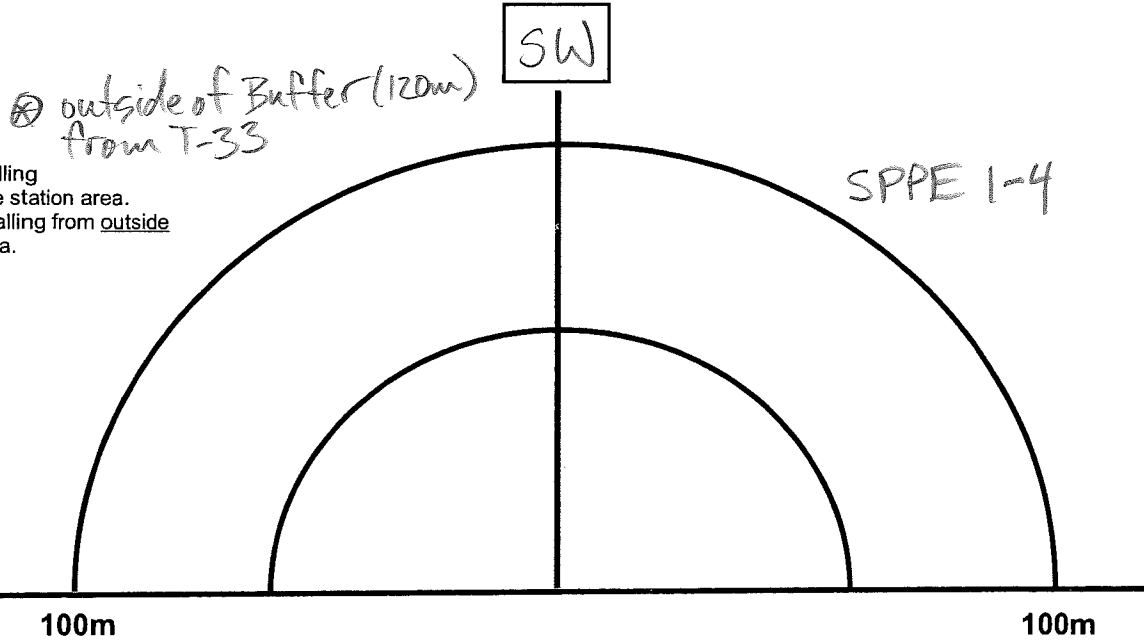


⊕ 1 SPPE calling E of Station from ABH-008

Northland Wind  
April 29, 12

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE	<input checked="" type="checkbox"/>	
WOFR		

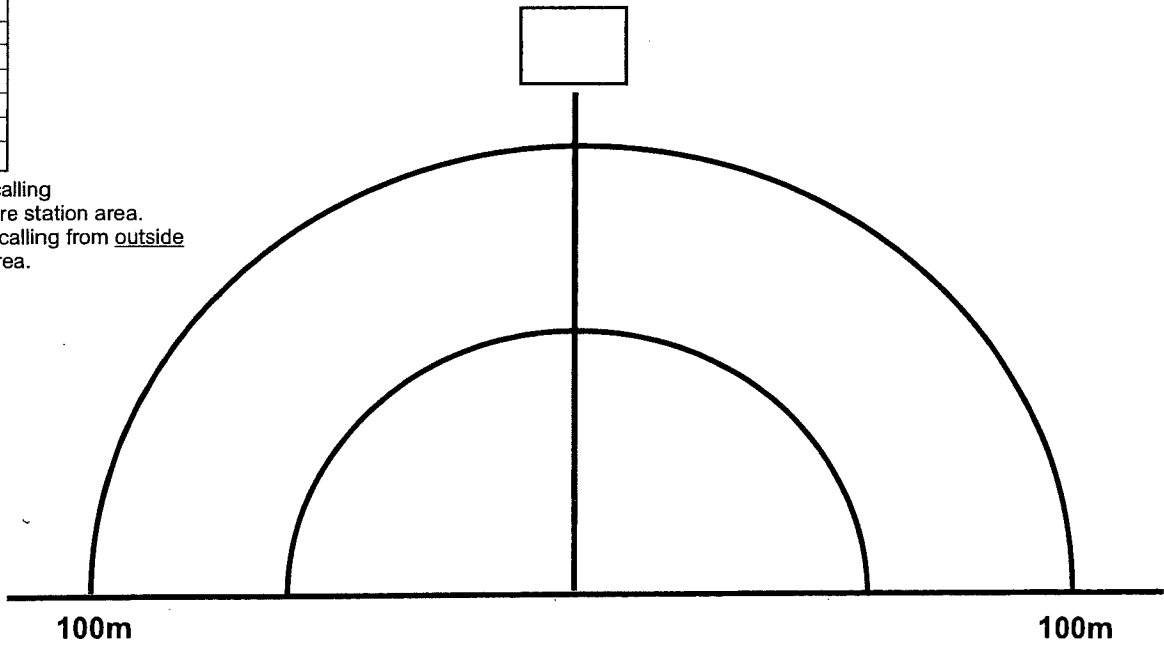
Station C  
ABH-003



\* Check if species is calling from inside 100-metre station area.  
\*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station D



\* Check if species is calling from inside 100-metre station area.  
\*\* Check if species is calling from outside 100-metre station area.

### Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0  
Please write legibly (in pen).

Observer: <i>Chris P. G. W.</i>
Route name: <i>ABH - Frog Calls</i>

Date (dd-mm-yr): <i>25-04-12</i>	Visit No.: <i>#2 for 2012 (First Round)</i>	
Start time (24 hr clock): <i>1945</i>	Finish time (24 hr clock): <i>2230</i>	
Beaufort Wind Scale No.: <i>2</i>	Cloud Cover (10ths): <i>3</i>	Air Temp (°C or °F): <i>10°C</i>
Precipitation (check one): None/dry: <input type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input checked="" type="checkbox"/> <i>PREVIOUS</i>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <i>Previous rain events in warm day</i>		

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

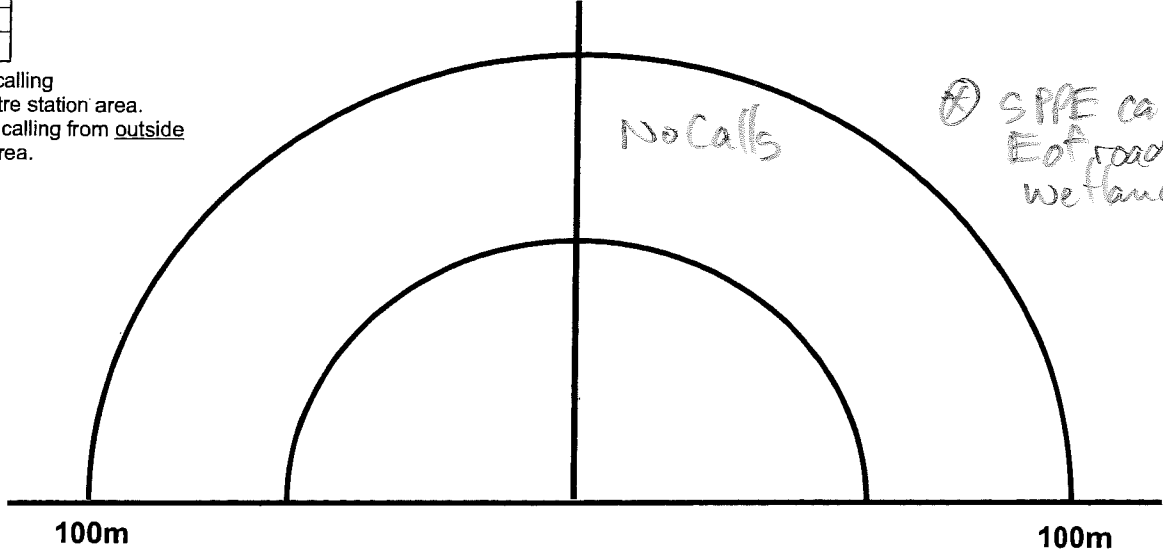
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

### Station A

ABH-005

S



Northland Wind  
 April 25, 2012  
 - low wind  
 - previous rain 10°C  
 - warm front

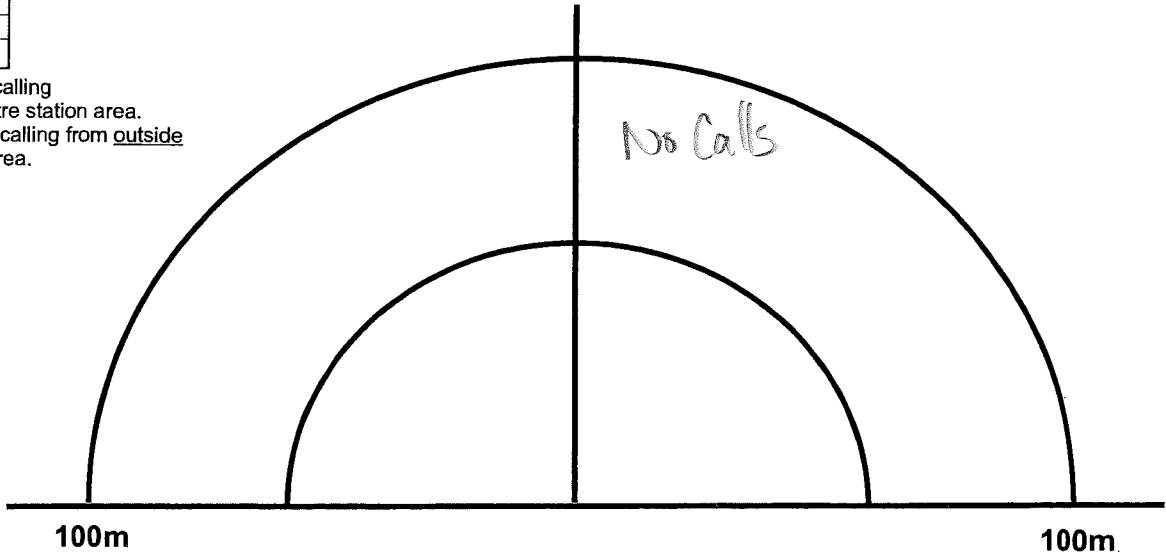
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

### Station B

ABH-006 (south end of woodlot)

E



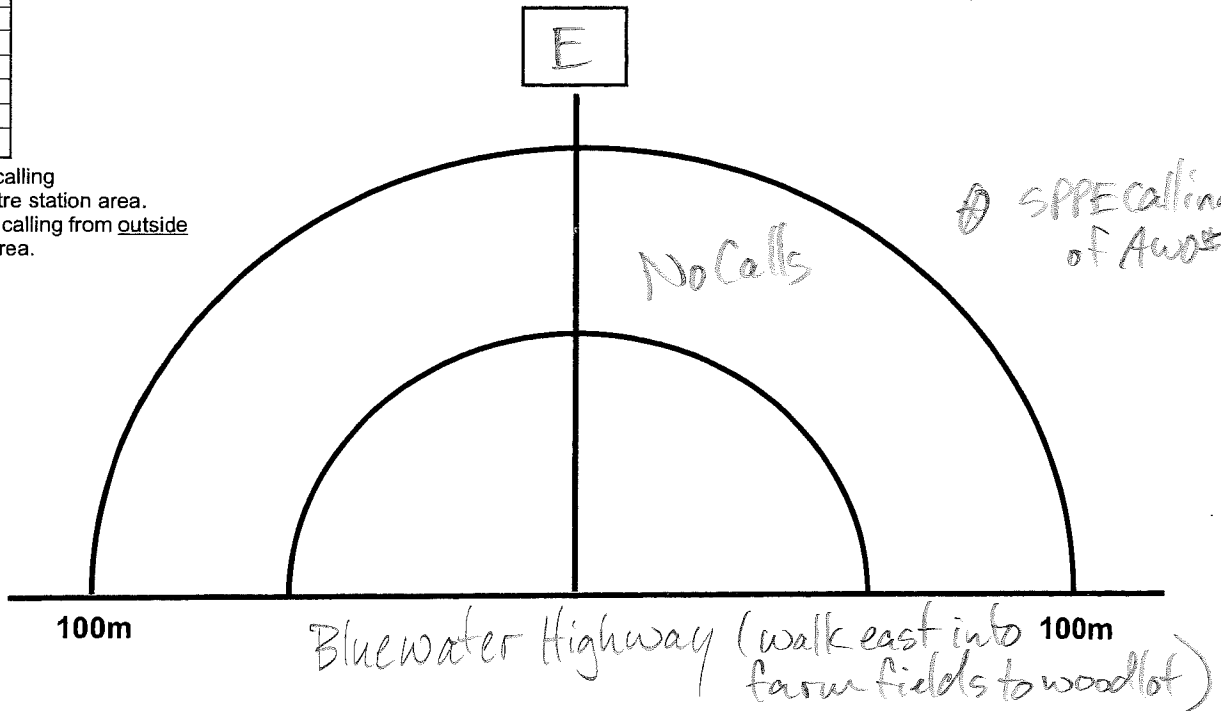
April 25, 2012

**Station C**

ABH-006 (north end of woodlot)

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

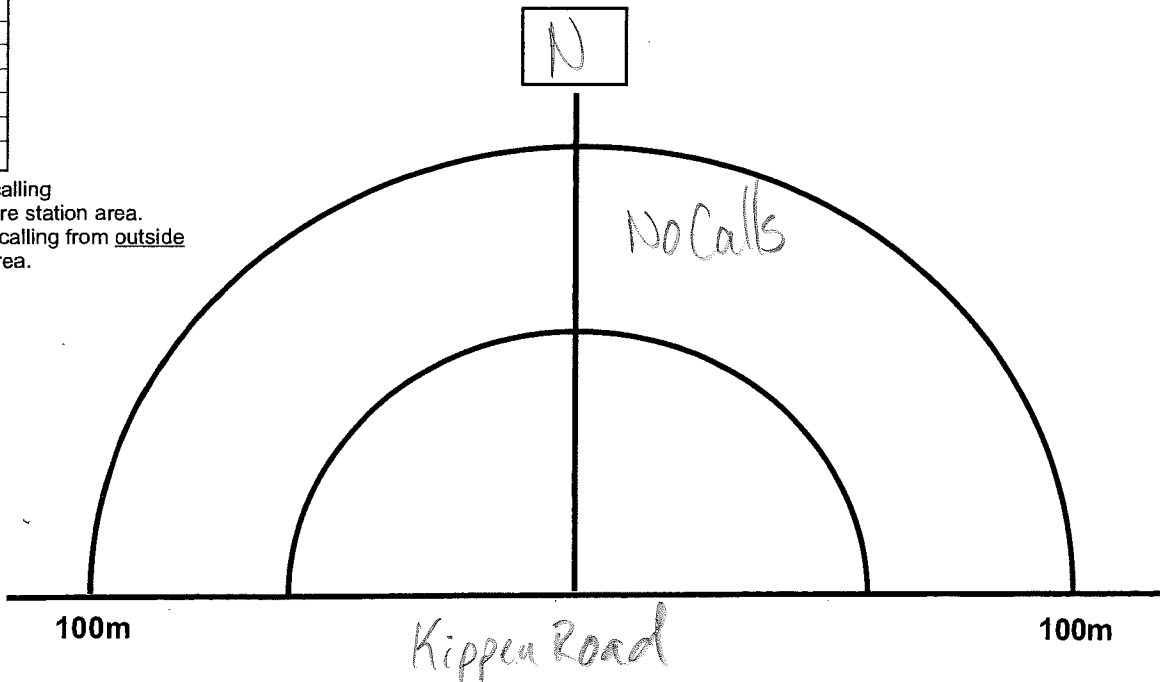


**Station D**

ABH-010

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.





April 25, 12

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		<input checked="" type="checkbox"/>
WOFR		

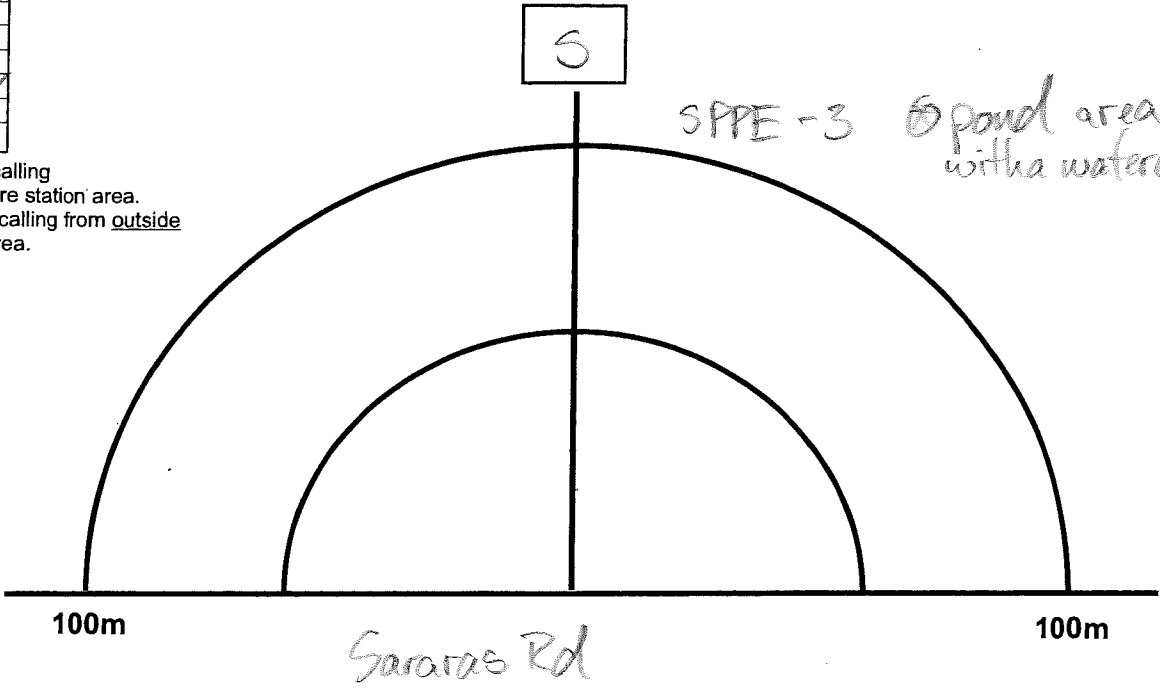
### Station A

ABH-007

S

SPPE-3

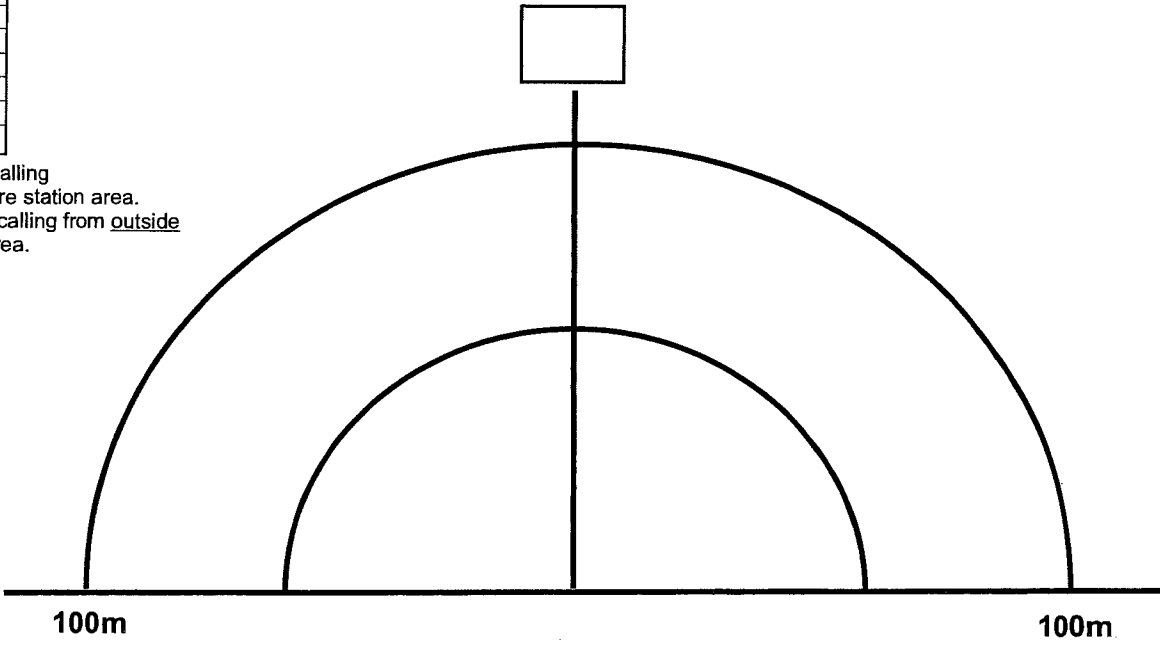
⊗ pond area associated with watercourse



- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station B



- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

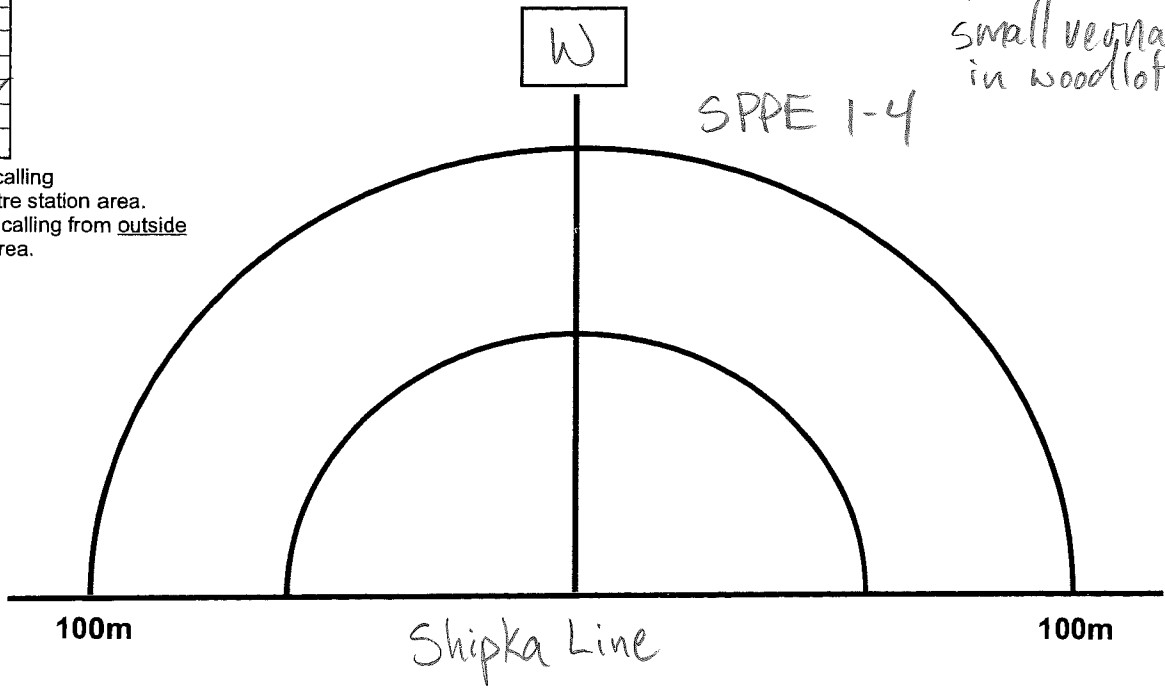
April 25, 12

**Station C**

ABH-004

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		<input checked="" type="checkbox"/>
WOFR		

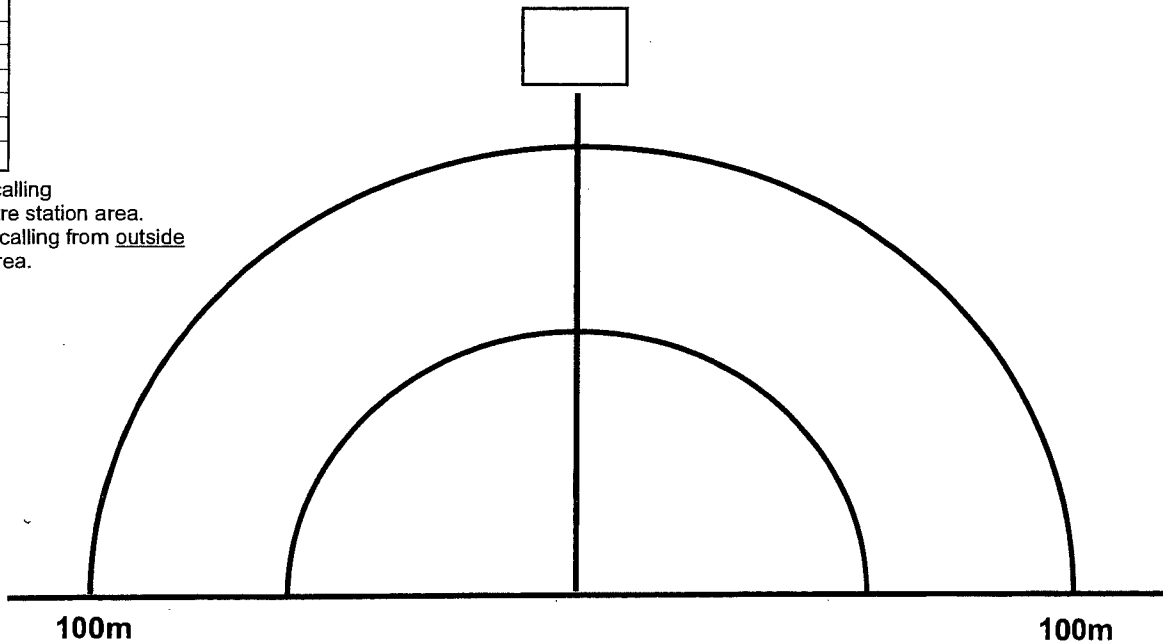
\* Check if species is calling from inside 100-metre station area.  
 \*\* Check if species is calling from outside 100-metre station area.



**Station D**

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

\* Check if species is calling from inside 100-metre station area.  
 \*\* Check if species is calling from outside 100-metre station area.



## Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0  
Please write legibly (in pen).

Observer: <u>Chris Pfohl</u>
Route name: <u>AWO</u>

Date (dd-mm-yr): <u>29/05/12</u>	Visit No.: <u>3</u>
Start time (24 hr clock): <u>2130</u>	Finish time (24 hr clock): <u>2300</u>
Beaufort Wind Scale No.: <u>3</u>	Cloud Cover (10ths): <u>1/10<sup>th</sup></u> Air Temp (°C or °F): <u>21°C</u>
Precipitation (check one): None/dry: <input checked="" type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input type="checkbox"/>	
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>	
Remarks: <u>Previous rain events + T-storms today + rain on 27/05/12</u>	

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

#2

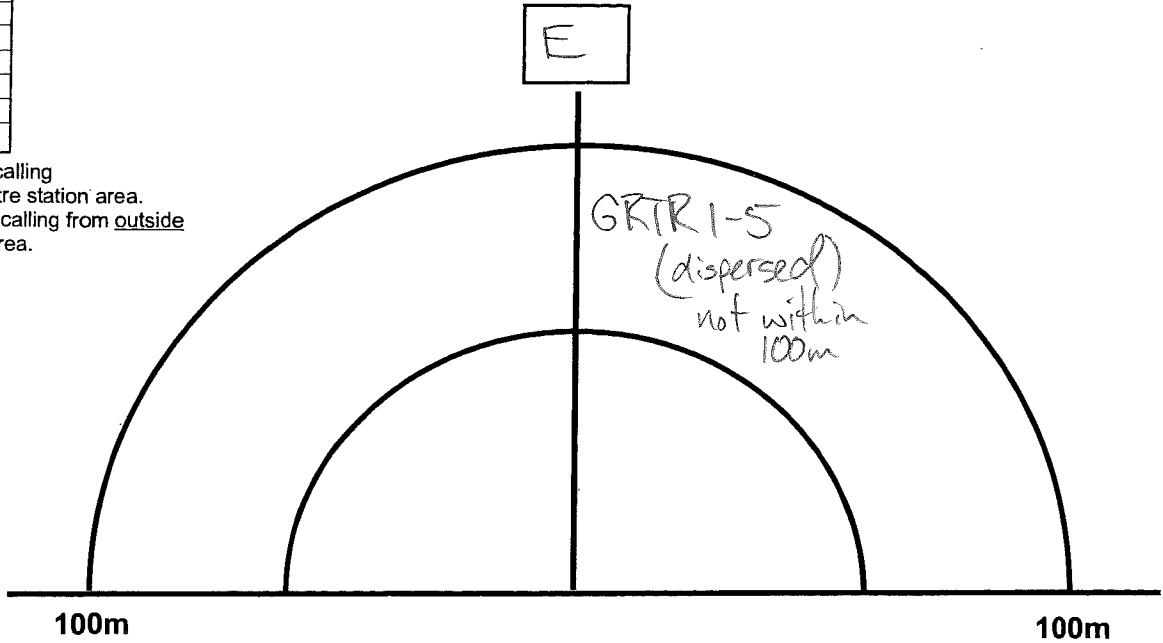
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station A  
ABH-009

E

GRTR 1-5  
(dispersed)  
not within  
100m

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

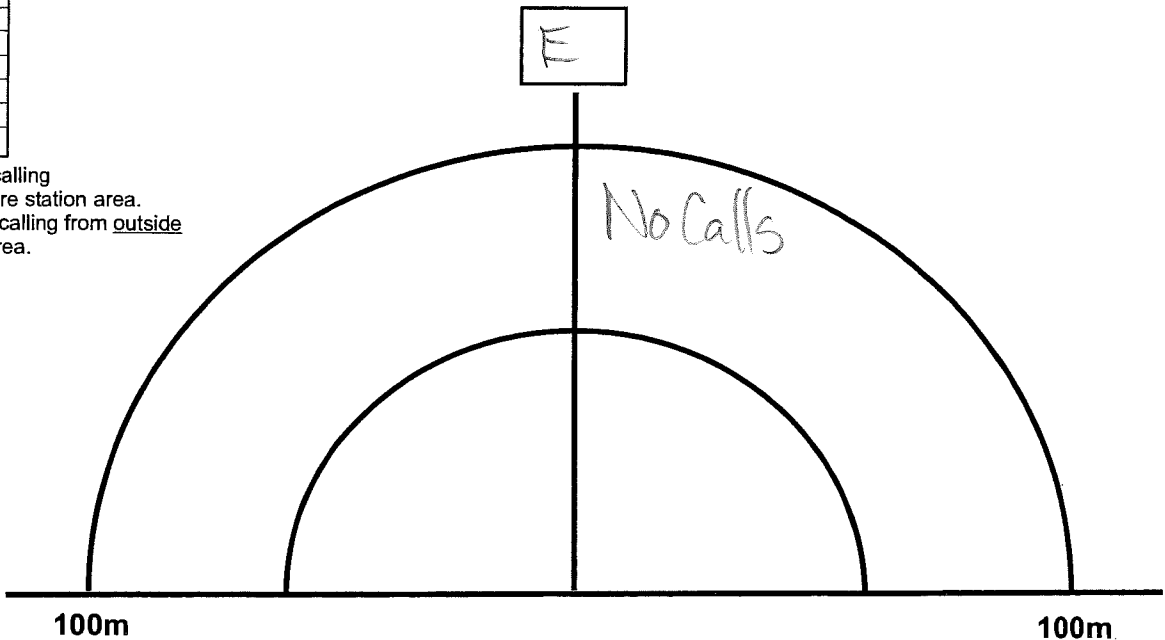
Station B

ABH-002

E

No Calls

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.



#2

### Station C

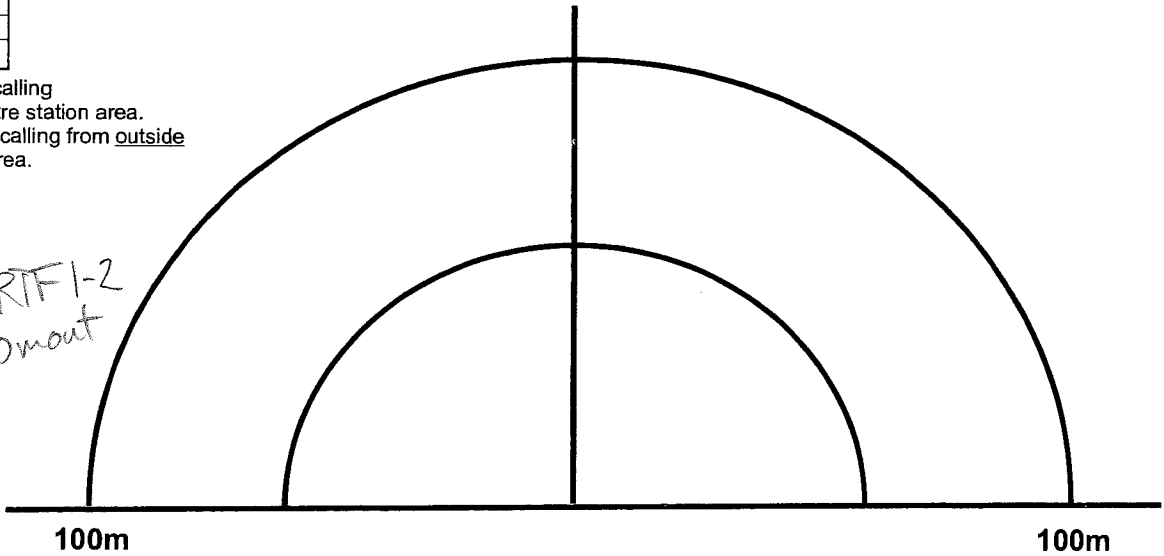
ABH-003

S

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		<input checked="" type="checkbox"/>
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

GRTR 1-2  
> 100m out



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

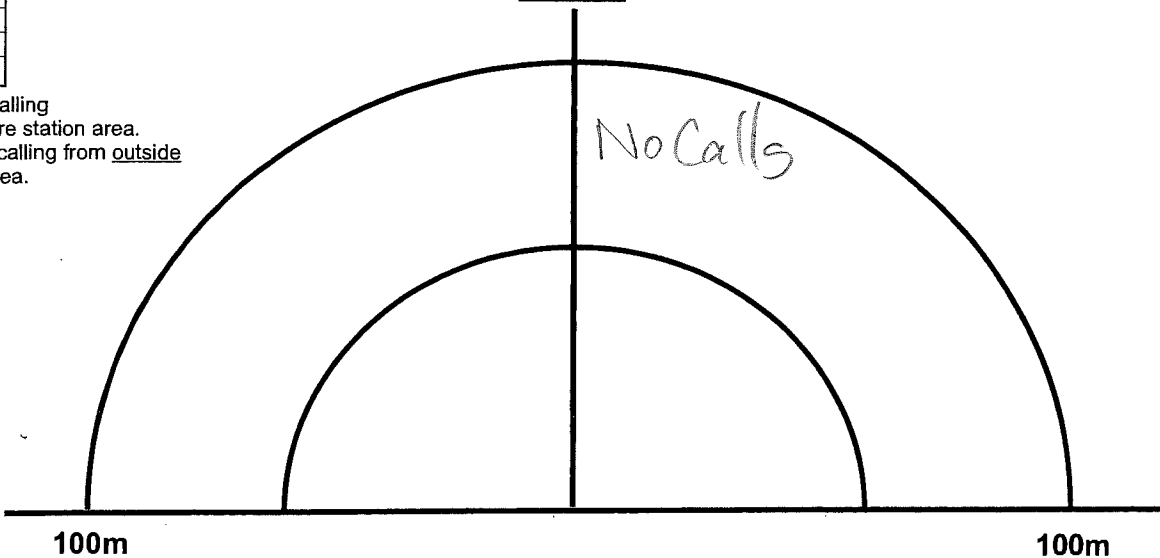
### Station D

ABH-005

W

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

No Calls

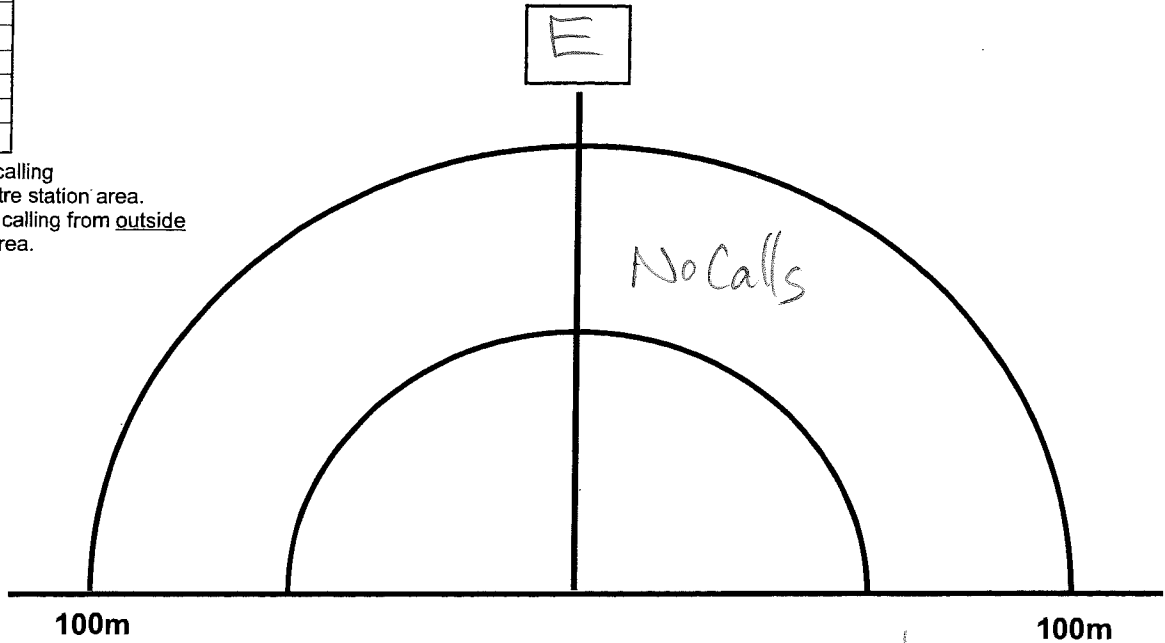


#2

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station A

ABH-006 (south end of woodlot)



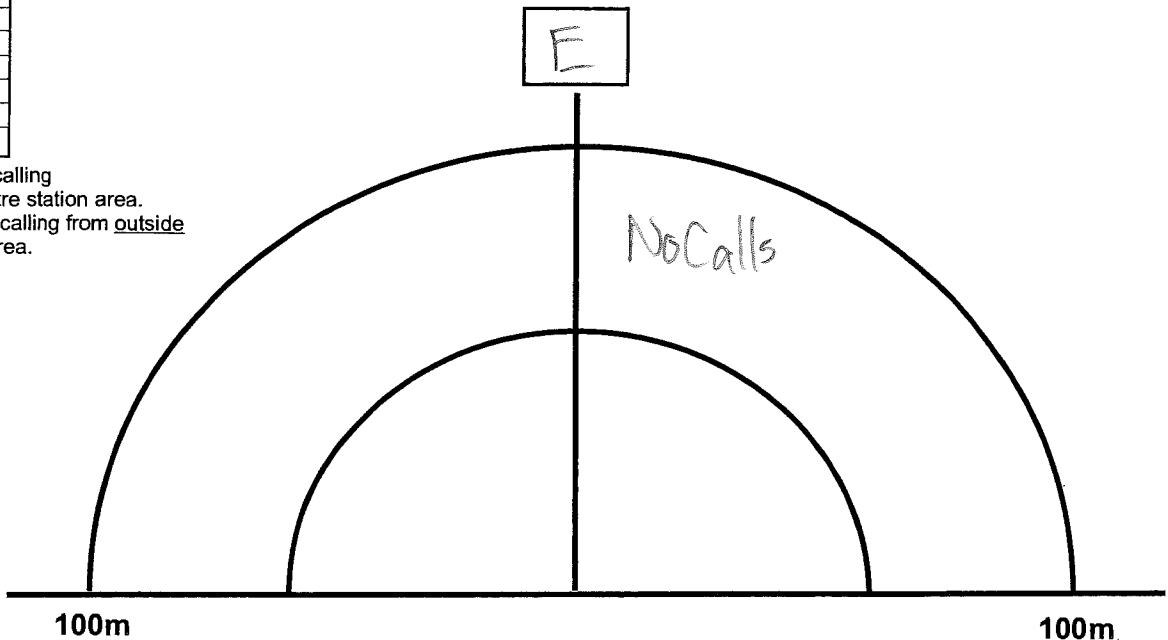
- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

⊗ Amphibian breeding SE of Project location identified in 2011

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station B

ABH-006 (north end of woodlot)



- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

**Station C**

ABH-010

N

No Calls

100m

100m

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR	✓	
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

**Station D**

⊗ ABH-007

(pond area south of road)

S

GRTR-3

100m

100m

- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

⊗ GRTR Code 3 N of Road in habitat identified in 2011

#2

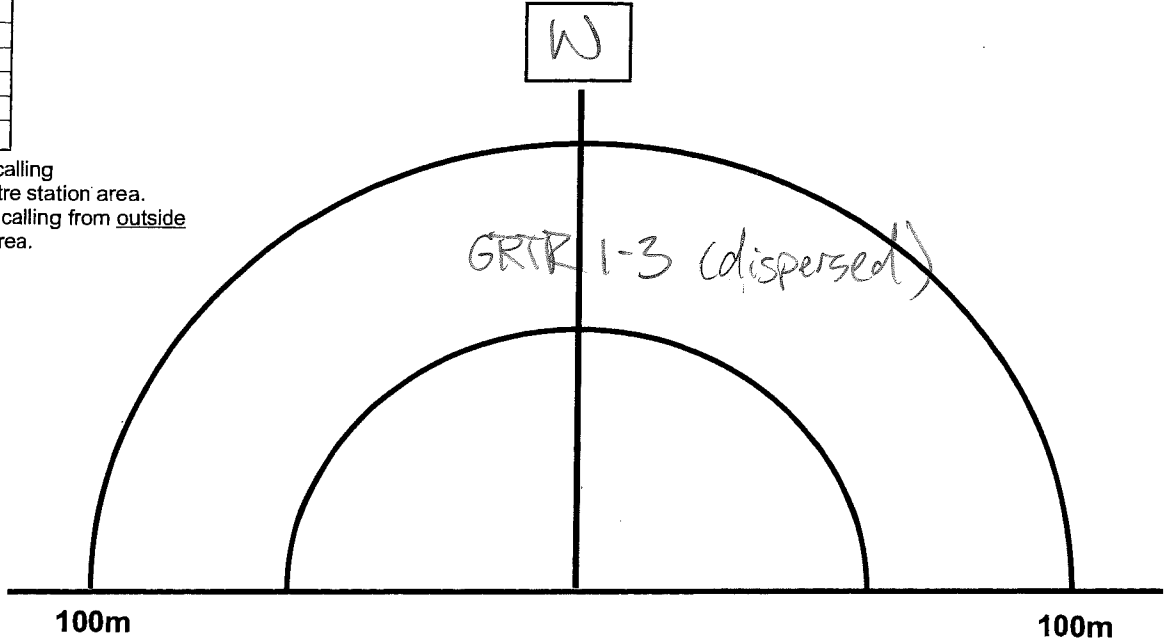
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR	✓	
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station A

ABH-004

W

GRTR 1-3 (dispersed)

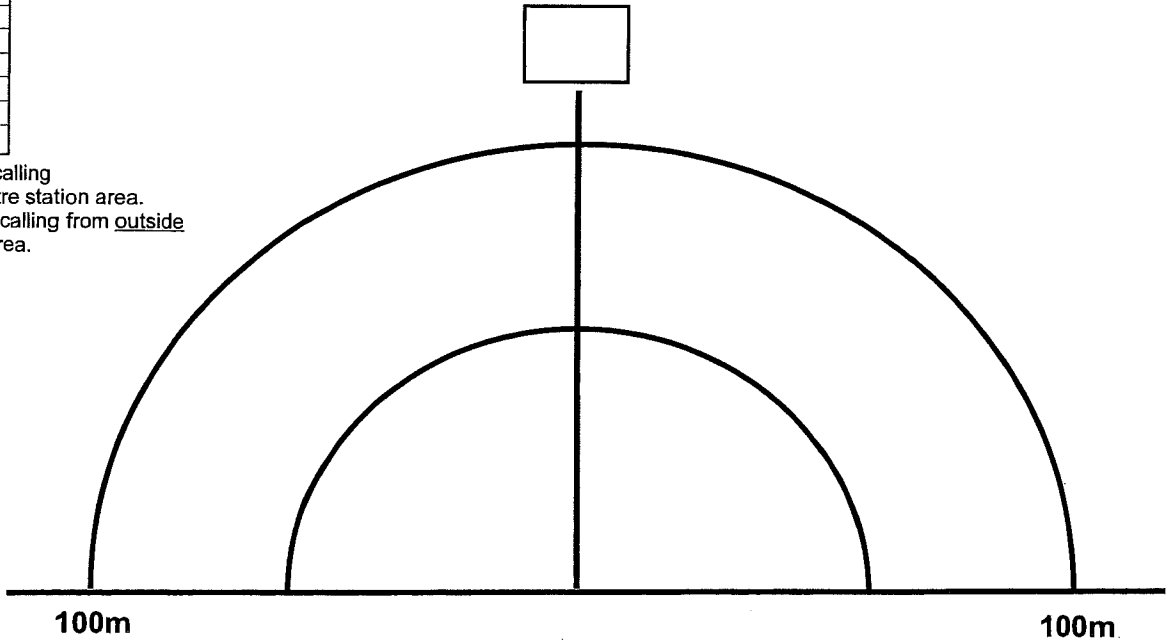


\* Check if species is calling from inside 100-metre station area.

\*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station B



\* Check if species is calling from inside 100-metre station area.

\*\* Check if species is calling from outside 100-metre station area.



### Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0  
Please write legibly (in pen).

Observer: <i>Chris Föhl</i>
Route name: <i>ABH - Frog Calls</i>

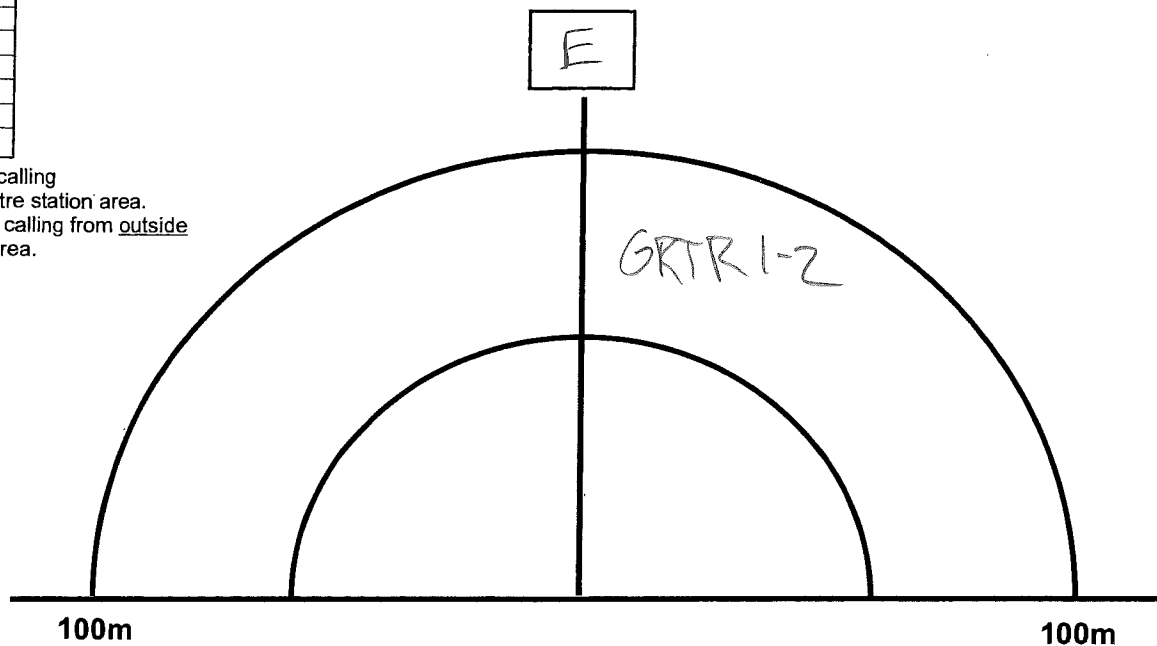
Date (dd-mm-yr): <i>27-06-12</i>	Visit No.: <i>#4 (3rd round 1st visit)</i>	
Start time (24 hr clock): <i>2115</i>	Finish time (24 hr clock): <i>2300</i>	
Beaufort Wind Scale No.: <i>0</i>	Cloud Cover (10ths): <i>2/10<sup>th</sup></i>	Air Temp (°C or °F): <i>26°C</i>
Precipitation (check one): None/dry: <input checked="" type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input type="checkbox"/>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <i>Previous rain events on 24<sup>th</sup> + 25<sup>th</sup></i>		

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station A

ABH-009 (south of golf course)

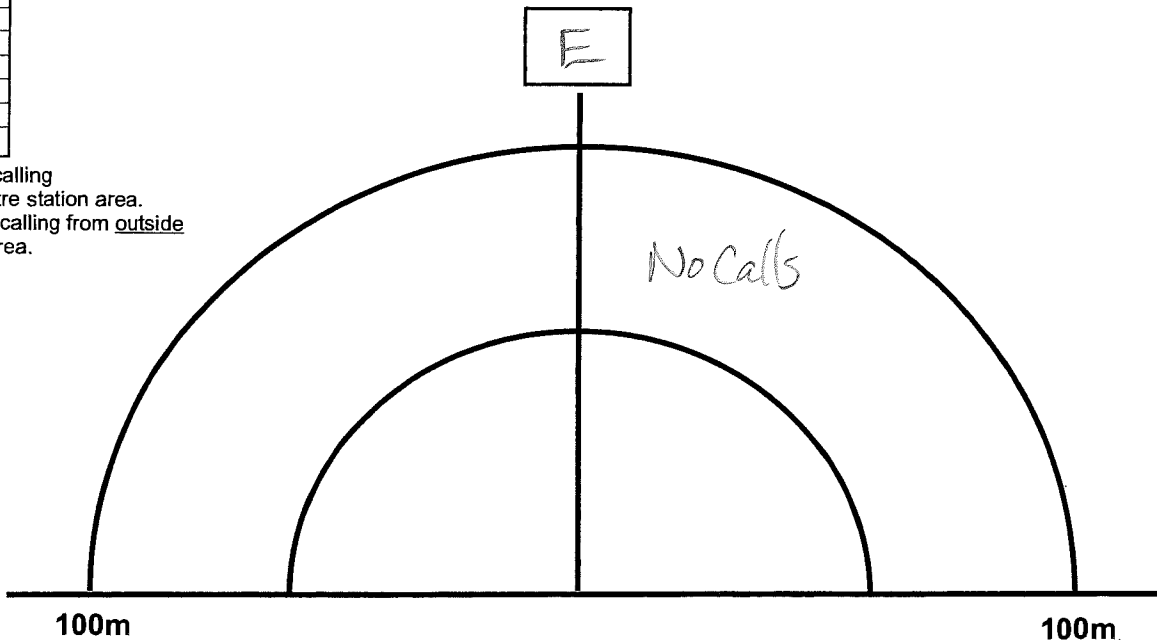


- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station B

ABH-002

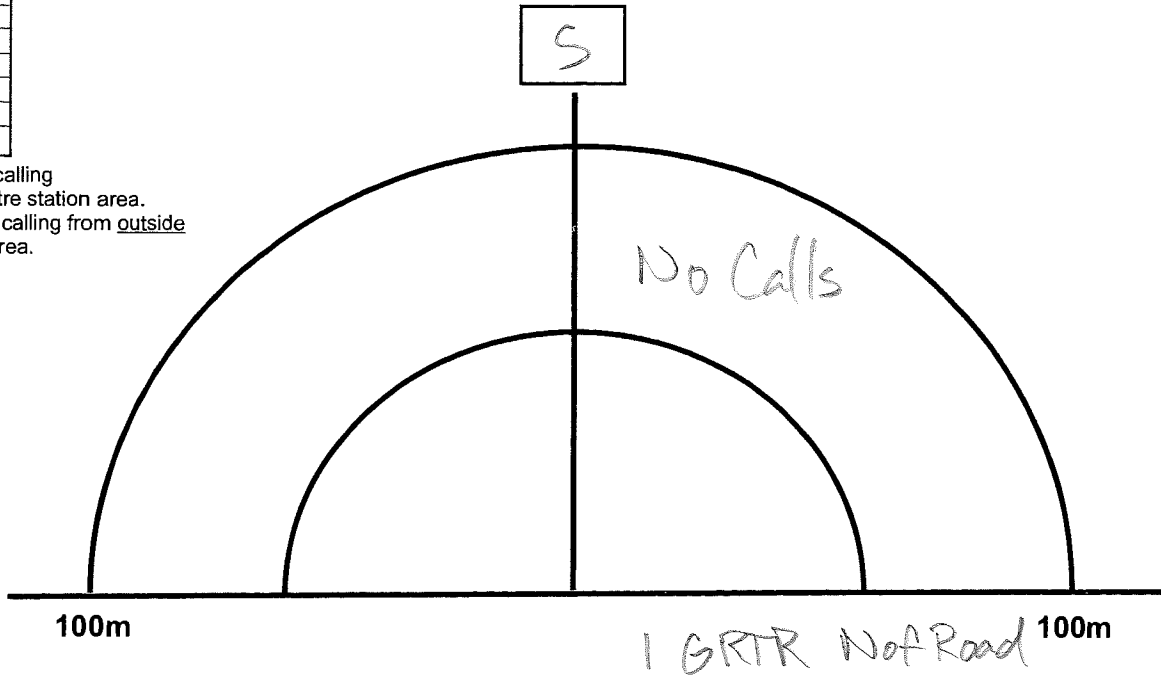


- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station C

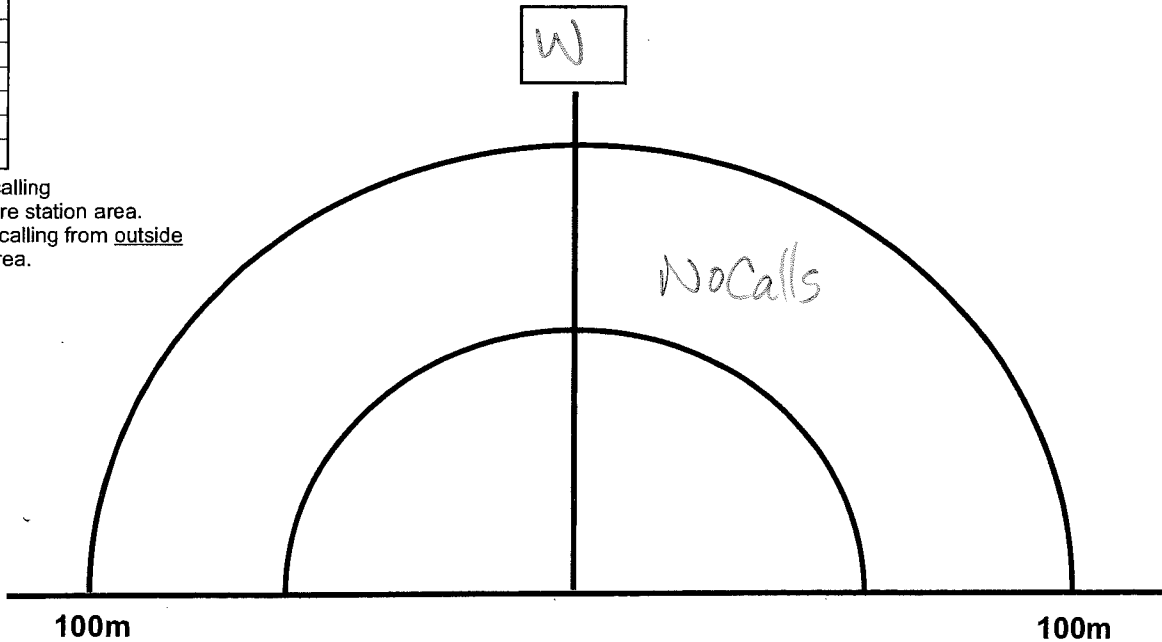
ABH-003



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station D

ABH-005



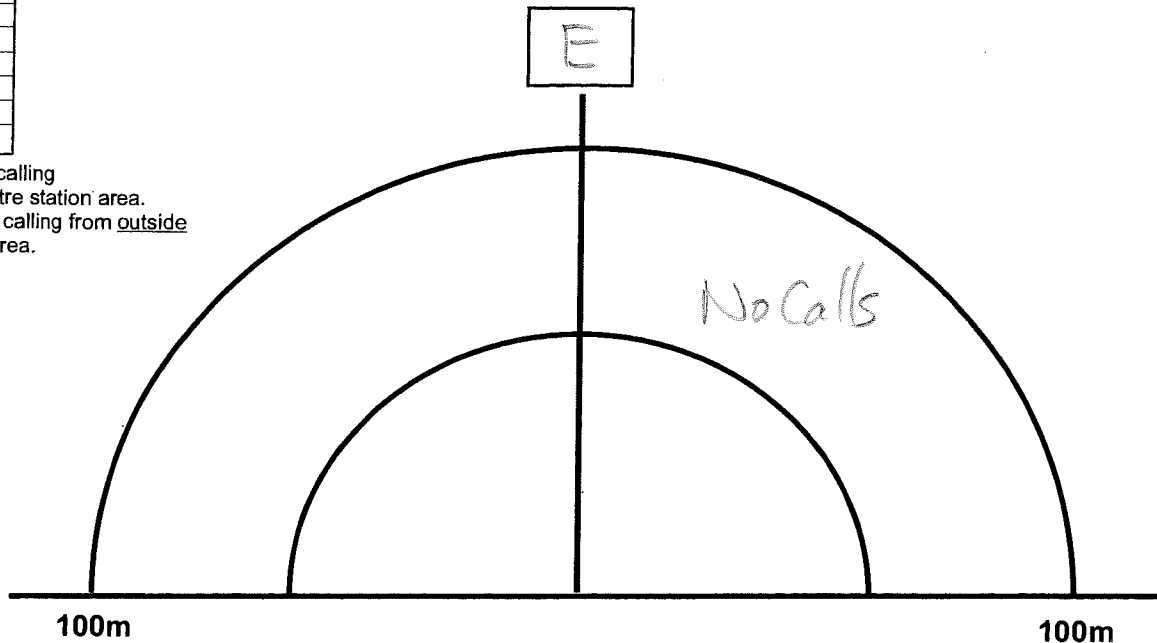
- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

#3

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station A

ABH-006 (south end of wood lot)

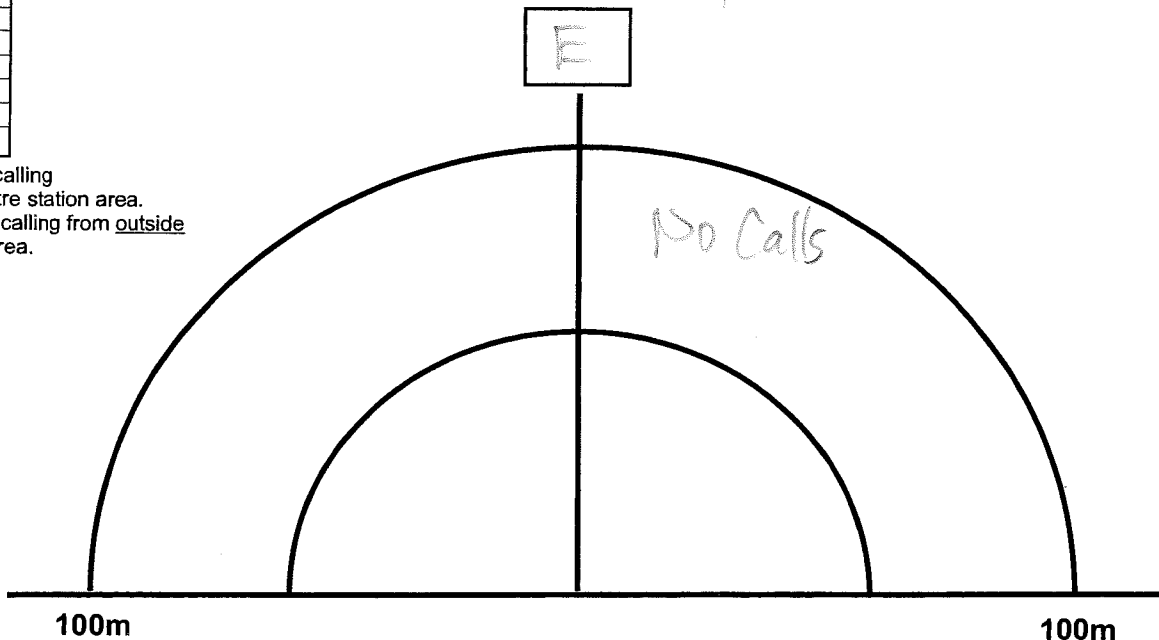


- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station B

ABH-006 (north end of wood lot)

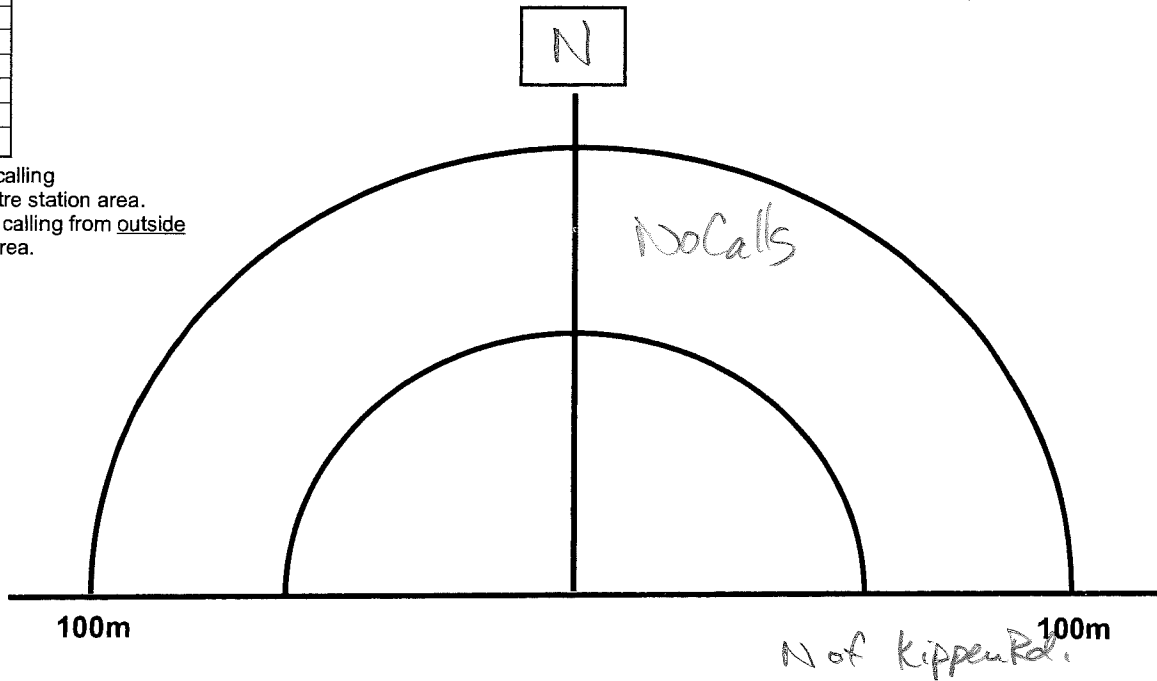


- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station C

ABH-010

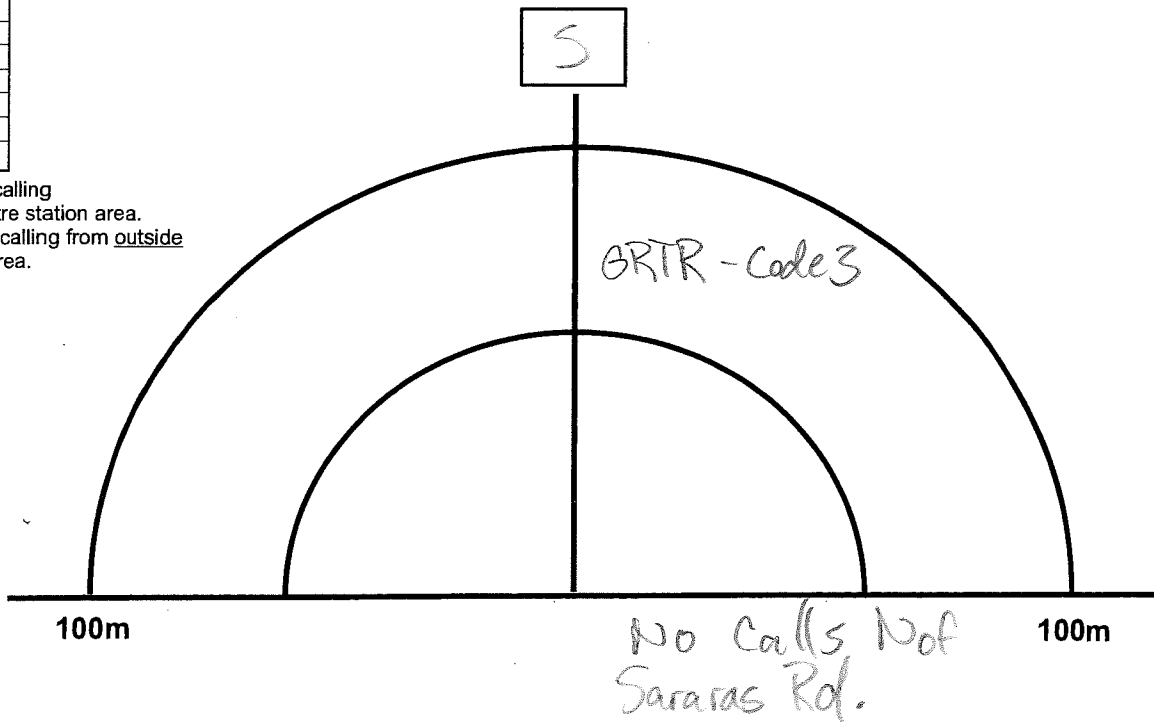


\* Check if species is calling from inside 100-metre station area.  
 \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station D

ABH-007

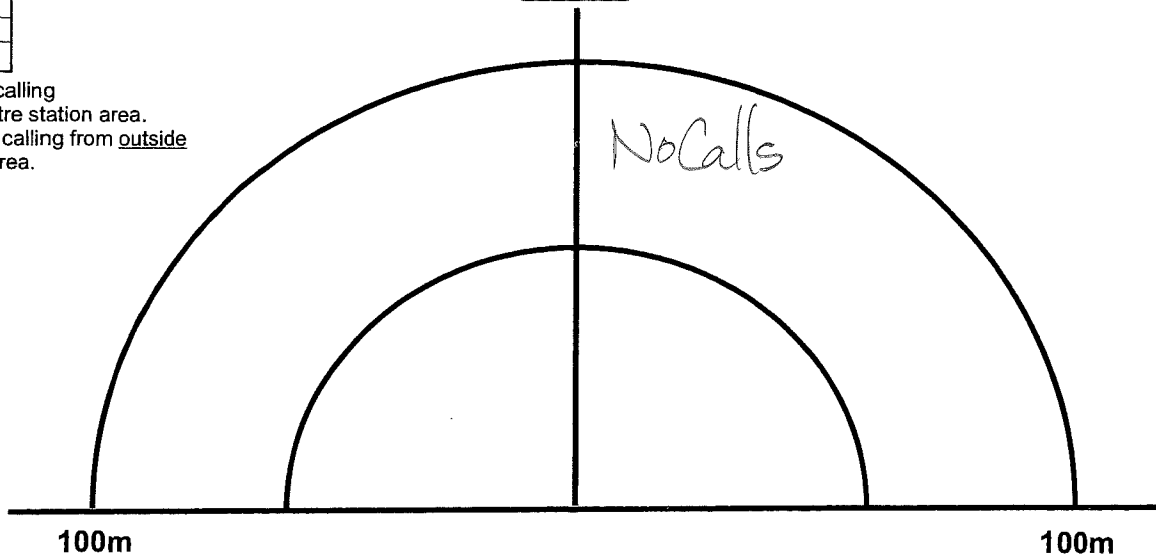


\* Check if species is calling from inside 100-metre station area.  
 \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station C

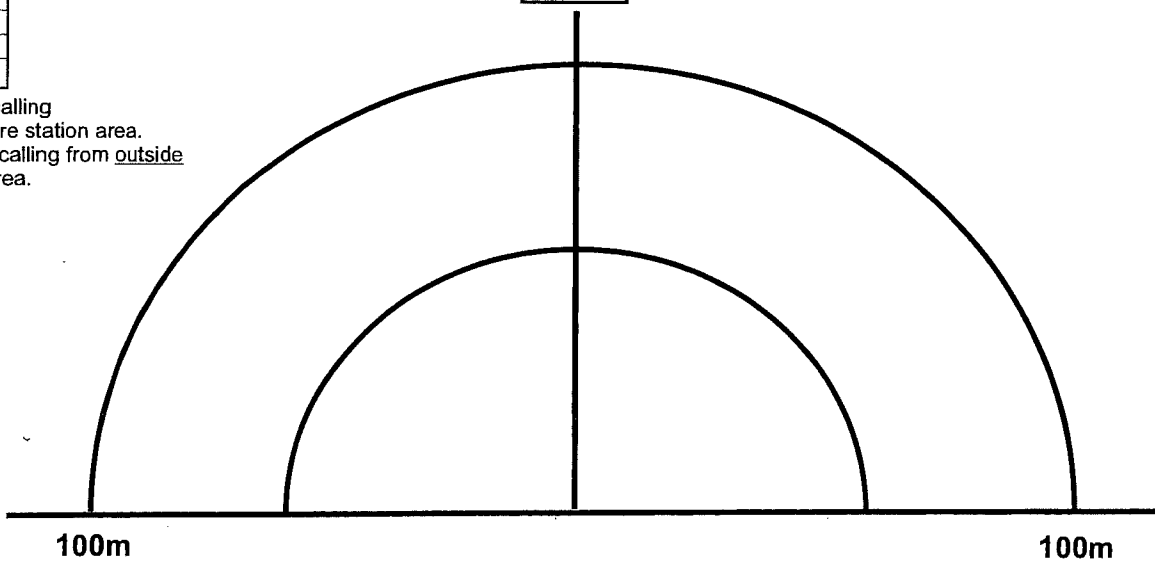
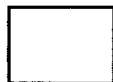
ABH-009



- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

### Station D



- \* Check if species is calling from inside 100-metre station area.
- \*\* Check if species is calling from outside 100-metre station area.

# Northland Vernal Pool / Sabaunder / Egg mass Survey

<b>ELC</b>  <b>WILDLIFE</b>	SITE: <u>ABH-00Z</u>	
	POLYGON: <u>F0D5-1</u>	
	DATE: <u>March 30, 2012</u>	
	SURVEYOR(S): <u>CP</u>	
	START TIME:	END TIME:

TEMP (°C): <u>3</u>	CLOUD (10th): <u>10</u>	WIND: <u>3</u>	PRECIPITATION: <u>Nil</u>
---------------------	-------------------------	----------------	---------------------------

CONDITIONS: cloudy and cold after warm front

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/> VERNAL POOLS	<input type="checkbox"/> SNAGS
<input type="checkbox"/> HIBERNACULA	<input checked="" type="checkbox"/> FALLEN LOGS

**SPECIES LIST:**

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#

**FAUNAL TYPE CODES (TY):**  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

**EVIDENCE CODES (EV):**

**BREEDING BIRD - POSSIBLE:**  
 SH = SUITABLE HABITAT SM = SINGING MALE

**BREEDING BIRD - PROBABLE:**  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

**BREEDING BIRD - CONFIRMED:**  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

**OTHER WILDLIFE EVIDENCE:**  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

**NOTES:**

- 2 Vernal Pools south of T-37 + access road
- small to medium in size with a max depth of 0.35m
- fairy shrimp and mosquito larva observed
- no egg masses observed
- no wildlife observed, very cold compared to past week

GPS  
 Photos on Olympus see March 30, 12 AM

LEVEL

<b>ELC</b>  <b>WILDLIFE</b>	SITE: <b>ABH-003</b>
	POLYGON: <b>FOM3-1</b>
	DATE: <b>March 21, 2012</b>
	SURVEYOR(S): <b>CP</b>
	START TIME: _____ END TIME: _____

TEMP (°C): <b>23</b>	CLOUD (10th): <b>7</b>	WIND: <b>2</b>	PRECIPITATION: <b>Nil</b>
CONDITIONS: <b>Sunny + hot</b>			

POTENTIAL WILDLIFE HABITAT:			
<input checked="" type="checkbox"/> VERNAL POOLS			<input type="checkbox"/> SNAGS
<input type="checkbox"/> HIBERNACULA			<input checked="" type="checkbox"/> FALLEN LOGS

SPECIES LIST:					SPECIES LIST:				
TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
			<b>wild turkey tracks</b>						
			<b>wood frogs</b>						

**FAUNAL TYPE CODES (TY):**  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

**EVIDENCE CODES (EV):**  
**BREEDING BIRD - POSSIBLE:**  
 SH = SUITABLE HABITAT SM = SINGING MALE

**BREEDING BIRD - PROBABLE:**  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

**BREEDING BIRD - CONFIRMED:**  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

**OTHER WILDLIFE EVIDENCE:**  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

**NOTES:**

- 2 large vernal pools were waded to determine if egg masses are present
- pools are 0.40m deep at max depth
- no egg masses observed in either pool
- numerous wood frogs observed 710 individuals
- turkeys heard calling to the SW of Schoedevier Rd

GPS #124 on Garmin - See Olympus Photos - March 21, 2012 AM

LEVEL





















see NSE notes from Sarah Madgugny for potential snake habitat / rock piles

<b>ELC</b> <b>WILDLIFE</b>	SITE: RH-007 (west of T42)	
	POLYGON: F0D4-2	
	DATE: April 25, 12	
	SURVEYOR(S): CP	
	START TIME: 1700	END TIME: 1730

TEMP (°C): 14	CLOUD (10th): 0	WIND: 1	PRECIPITATION: none
CONDITIONS: Sunny, first warm day this week			

POTENTIAL WILDLIFE HABITAT:

<input type="checkbox"/>	VERNAL POOLS	<input type="checkbox"/>	SNAGS
<input checked="" type="checkbox"/>	HIBERNACULA	<input checked="" type="checkbox"/>	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#

FAUNAL TYPE CODES (TY):  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):  
 BREEDING BIRD - POSSIBLE:  
 SH = SUITABLE HABITAT SM = SINGING MALE

BREEDING BIRD - PROBABLE:  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

BREEDING BIRD - CONFIRMED:  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

NOTES:

- 2 rock piles and wood debris
- shallow drain flows north along woodlot and west along north side of woodlot
- drain is very shallow, potential fish habitat
- no observations of wildlife
- no snakes observed

**NEEGAN**BURNSIDE

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**Common Night Hawk and Marsh Bird  
Surveys**

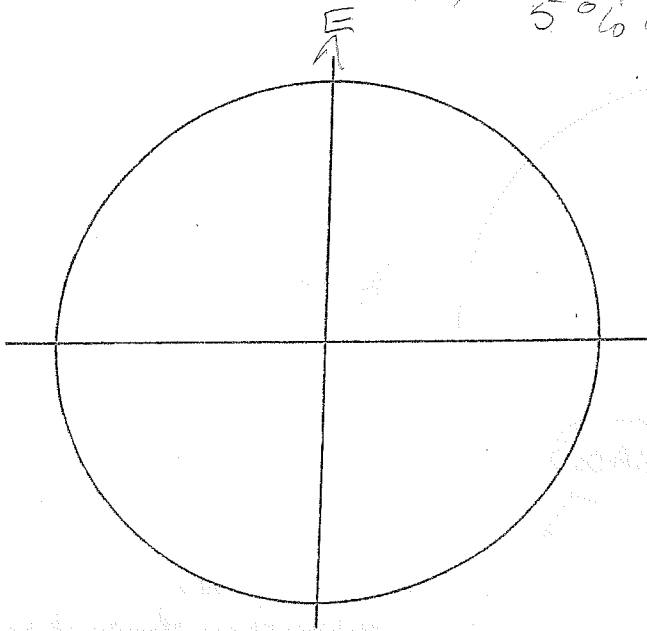
Grand Bend - Northland Wind Farm July 3<sup>rd</sup> '12

Point Count Survey: Field Data Sheet

Station No. W1 Visit No. 2 Start Time 0110 <sup>3</sup> min 10 min (circle)

UTM or Waypoint WP W1

Weather Conditions wind 1, clear, moon 1/4, above horizon 20  
5% cloud



no calls

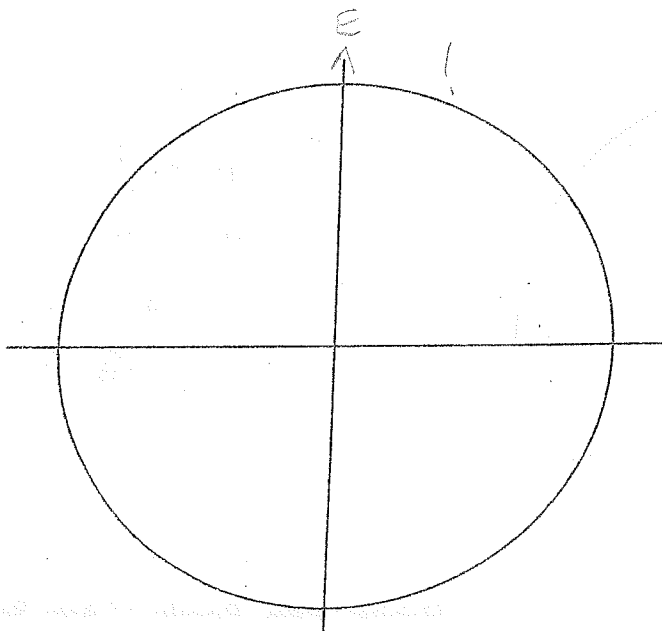
took 20 min out  
← back to road  
so surveyed from  
0040 to 0125

Habitat Notes, Results of Area Search

Station No. W2 Visit No. 2 Start Time 0145 <sup>3</sup> min 10 min (circle)

UTM or Waypoint WP W2

Weather Conditions same - wind 0, moon above horizon ~ 30°



no calls -  
walked in off Turnbull  
to point - woods  
surveyed from ~ 0140  
to 0205

Habitat Notes, Results of Area Search

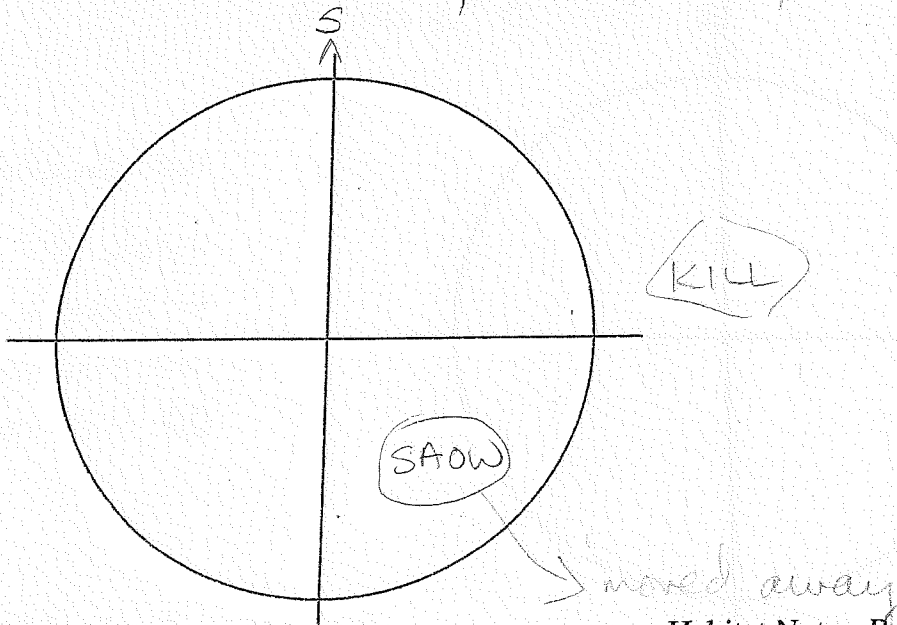
Northland Wind Farm July 10 12  
Nocturnal surveys

Point Count Survey: Field Data Sheet

Station No. W3 Visit No. 2 Start Time 0215 <sup>3</sup> min 10 min (circle)

UTM or Waypoint W3

Weather Conditions wind, clear, 15°C, moon 1/4 above horiz

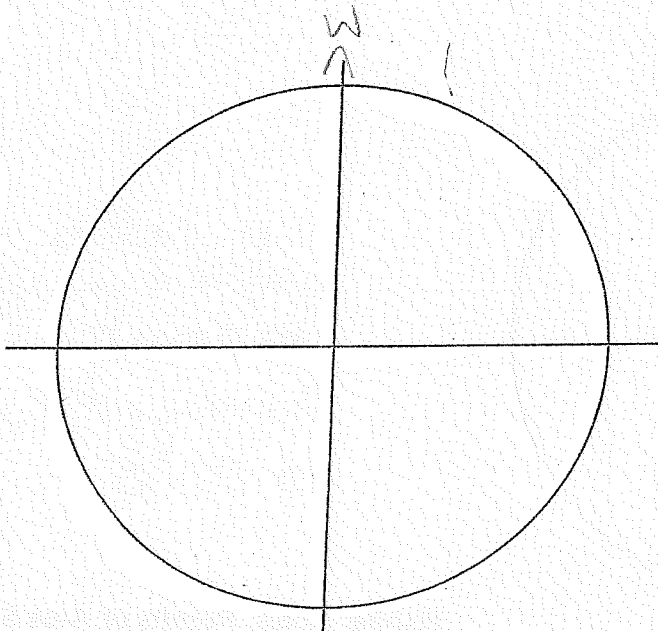


Habitat Notes, Results of Area Search

Station No. W4 Visit No. 2 Start Time 0240 <sup>3</sup> min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions same



no calls  
walked in along  
grassy path next  
to field from 0230-  
0250

Habitat Notes, Results of Area Search

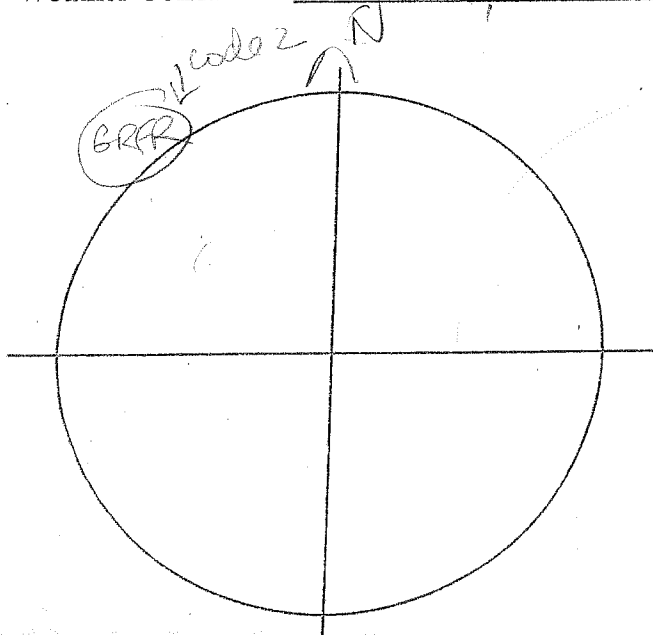
Northland Wind - Nocturnal Survey  
July 10, 12

Point Count Survey: Field Data Sheet

Station No. W5 Visit No. 2 Start Time 0249 (5) min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions wind, clear, 15°C, moon 1/4 phase, 1/3  
above horizon



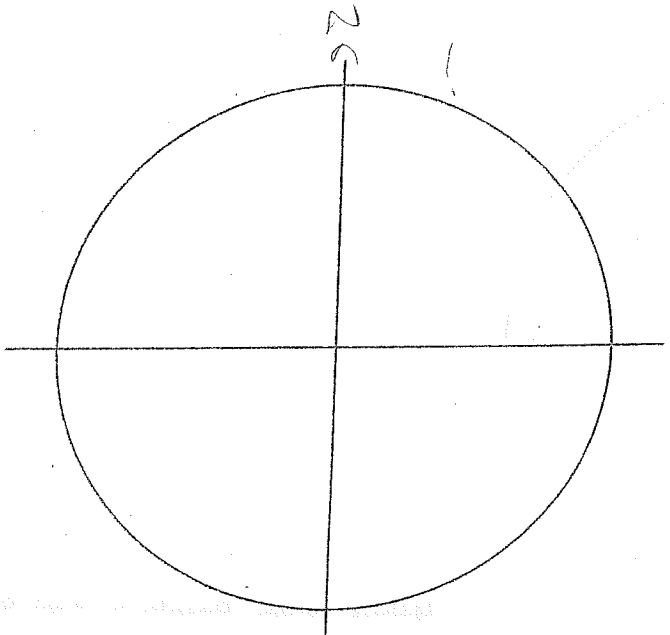
no calls  
- ambient noise 1  
(occasional traffic)  
otherwise 0 parents  
survey of all points

Habitat Notes, Results of Area Search

Station No. W6 Visit No. 2 Start Time 0300 (5) min 10 min (circle)

UTM or Waypoint W6

Weather Conditions same



no calls

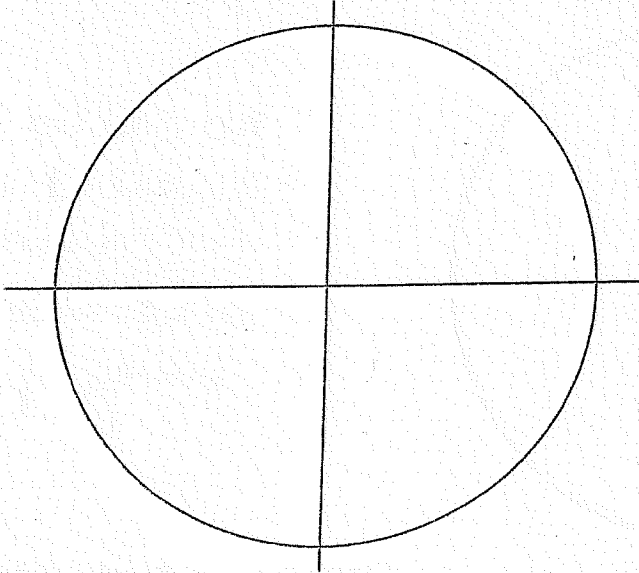
Habitat Notes, Results of Area Search

**Point Count Survey: Field Data Sheet**

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_

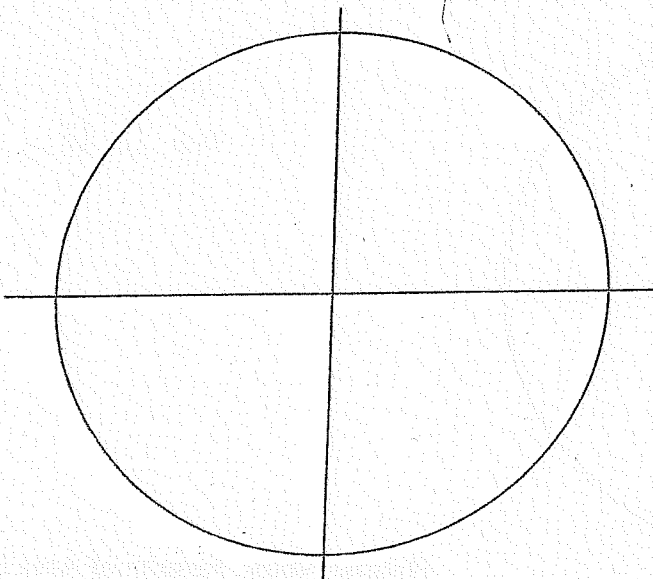


Habitat Notes, Results of Area Search

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_



Habitat Notes, Results of Area Search

# Marsh Monitoring Survey - Northland Wind

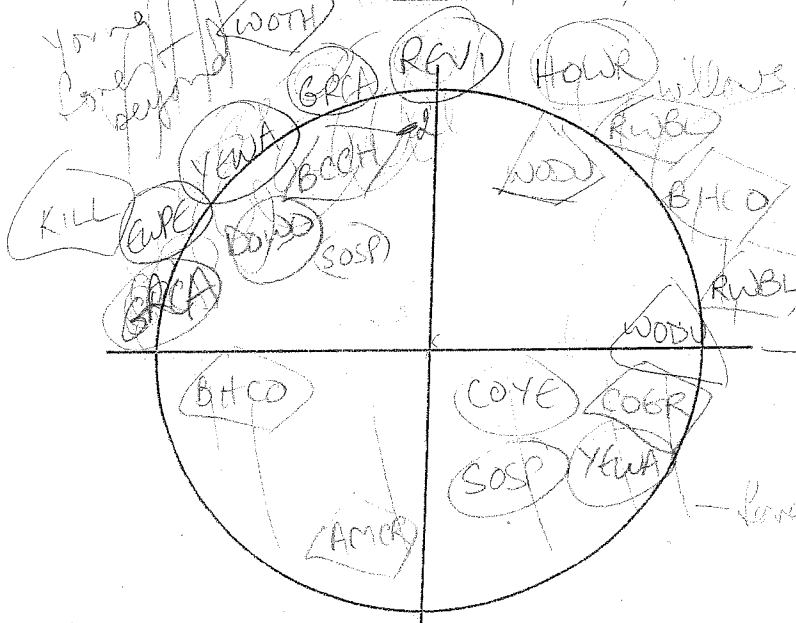
July 10 '12

## Point Count Survey: Field Data Sheet

Station No. \_\_\_\_\_ Visit No. 3 Start Time 0733 5 min 10 min (circle)

UTM or Waypoint WP 738 - pond at north end of tubsonnd of larvae

Weather Conditions clear, 18°C, wind 0



5 mins listening  
5 mins playback  
5 mins listening  
3 GRFR heard

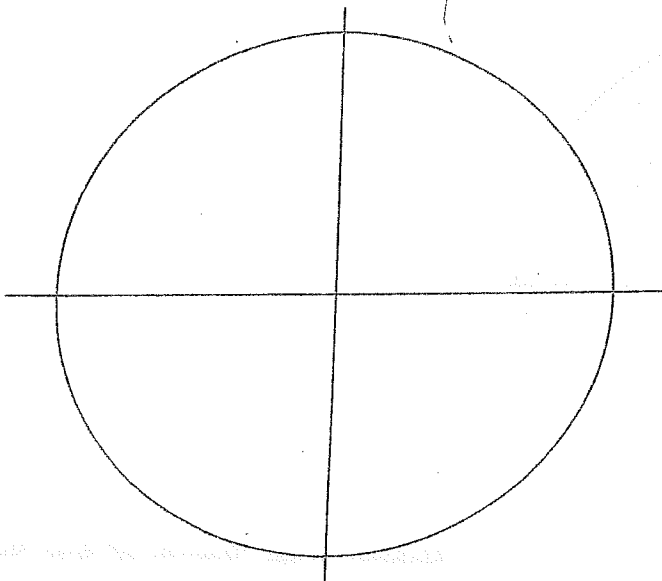
NRWS foraging  
Pond in SKDD v.t.  
- duckweed - covered  
~70 m to E edge  
Ledge of pond  
- forest + swamp to S

Habitat Notes, Results of Area Search

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_



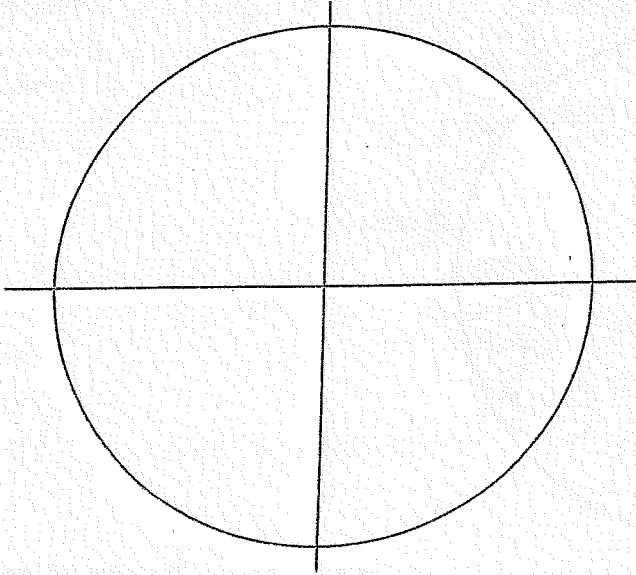
Habitat Notes, Results of Area Search

**Point Count Survey: Field Data Sheet**

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_

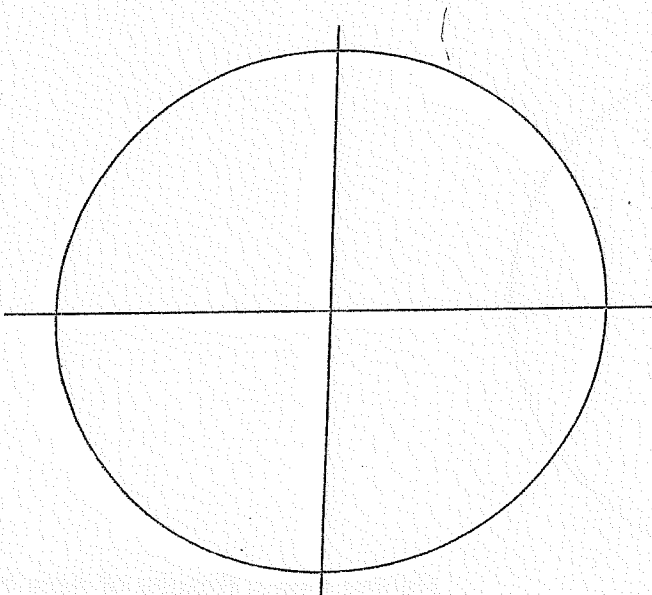


Habitat Notes, Results of Area Search

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_



Habitat Notes, Results of Area Search

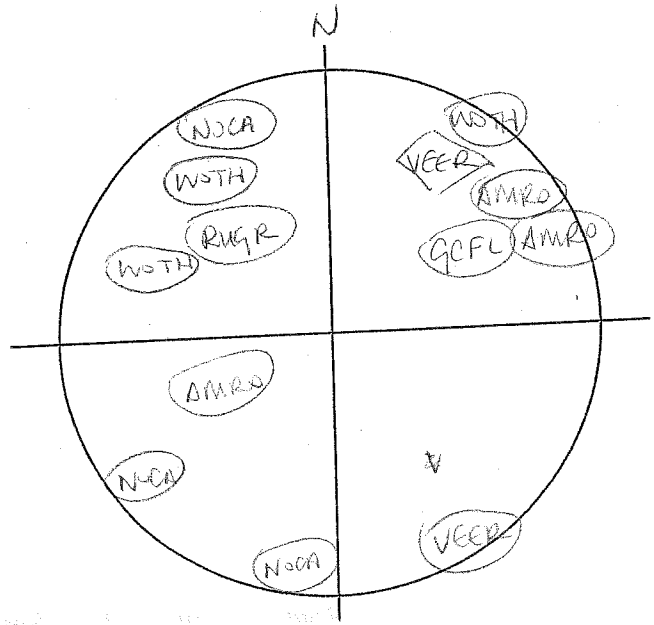


June 5, 2012  
WILP SURVEYS  
GRAND BANDO/BUN

**Point Count Survey: Field Data Sheet**

Station No. W1 Visit No. 1 Start Time 8:53 5 min (10 min) (circle)  
UTM or Waypoint WPS48 (443405 / 4797878)

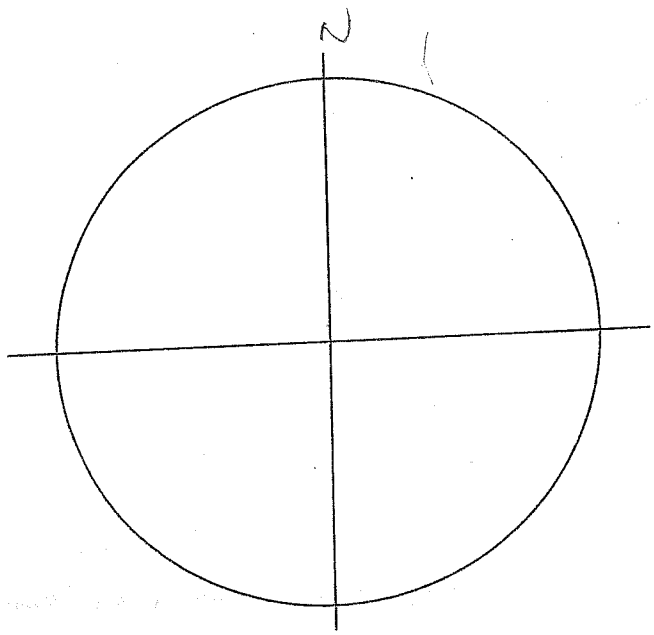
Weather Conditions T=19°C, W=0, cloud=0



Habitat Notes, Results of Area Search

Station No. W2 Visit No. 1 Start Time 9:49 5 min (10 min) (circle)  
UTM or Waypoint WPS49 (442799 / 4799436)

Weather Conditions T=18°C, W=0, cloud=0



N/D

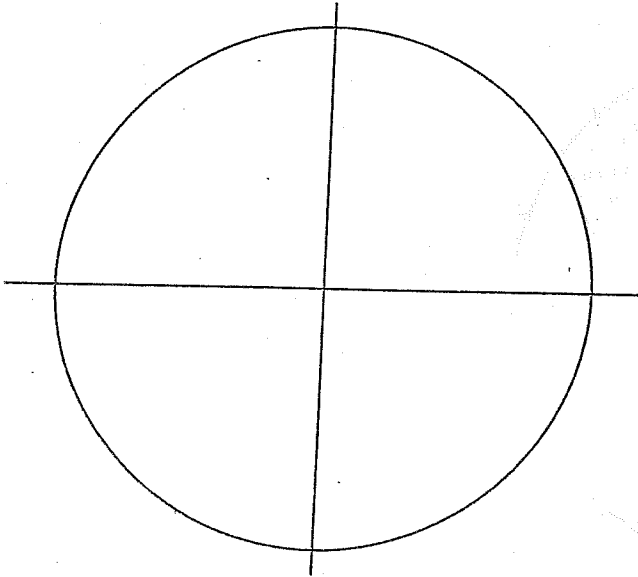
Habitat Notes, Results of Area Search

**Point Count Survey: Field Data Sheet**

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_

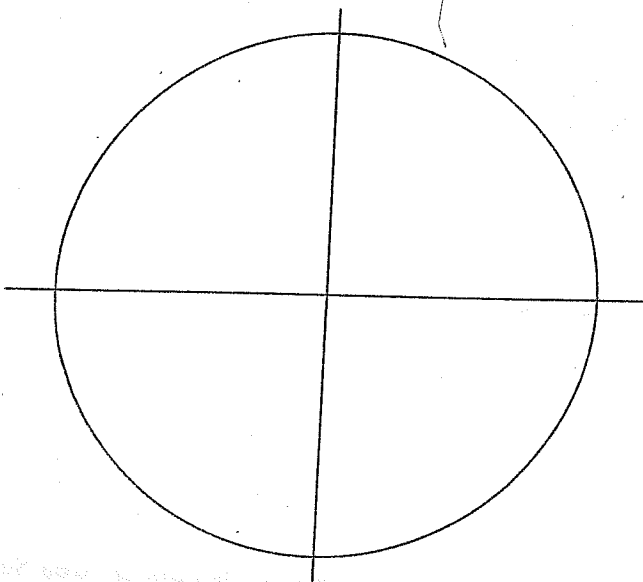


Habitat Notes, Results of Area Search

Station No. \_\_\_\_\_ Visit No. \_\_\_\_\_ Start Time \_\_\_\_\_ 5 min 10 min (circle)

UTM or Waypoint \_\_\_\_\_

Weather Conditions \_\_\_\_\_



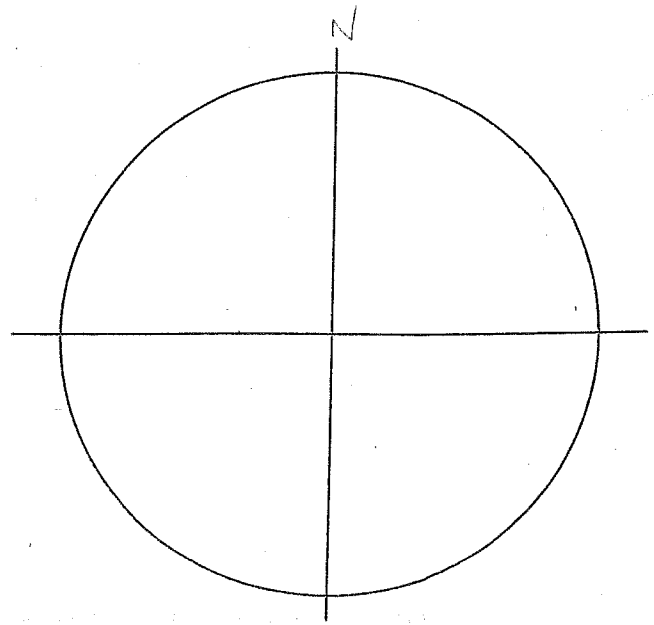
Habitat Notes, Results of Area Search

June 5, 2012  
WILIP SURVEYS  
GRANDBEND (Burnside)

**Point Count Survey: Field Data Sheet**

Station No. W3 Visit No. 1 Start Time 10:17 5 min 10 min (circle)  
UTM or Waypoint WP550 (443018 / 4800450)

Weather Conditions T=18°C, W=0-1, cloud=0

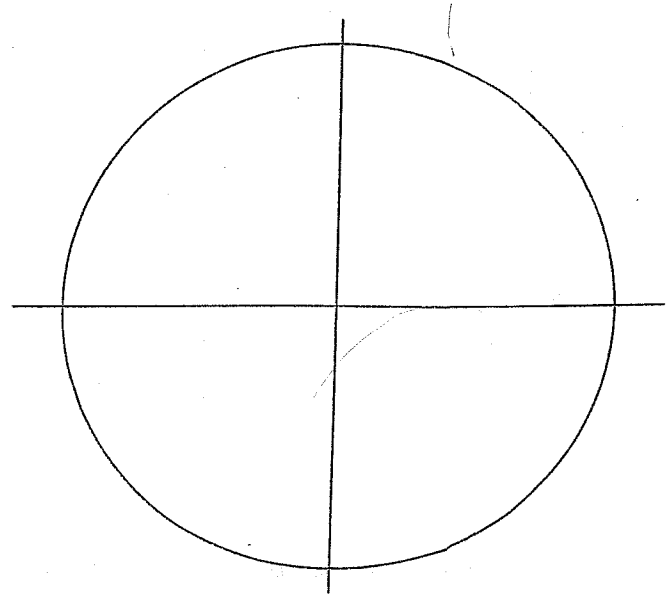


N/D

Habitat Notes, Results of Area Search

Station No. W4 Visit No. 1 Start Time 10:17 5 min 10 min (circle)  
UTM or Waypoint WP551 (443490 / 4801016)

Weather Conditions T=17°C, W=1, cloud=0, moon near horizon



N/D

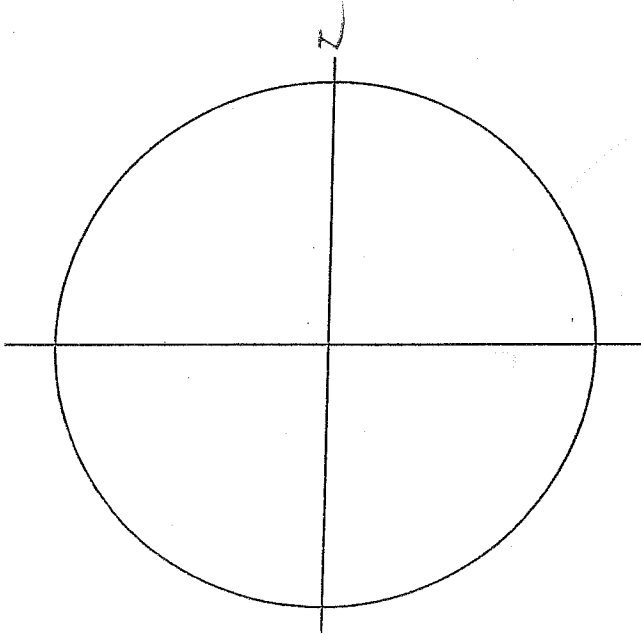
Habitat Notes, Results of Area Search

**Point Count Survey: Field Data Sheet**

Station No. W5 Visit No. 1 Start Time 11:02 pm 5 min (10 min) (circle)

UTM or Waypoint WP552 (444011/4801909)

Weather Conditions T=17°C, W=0, cloud=0



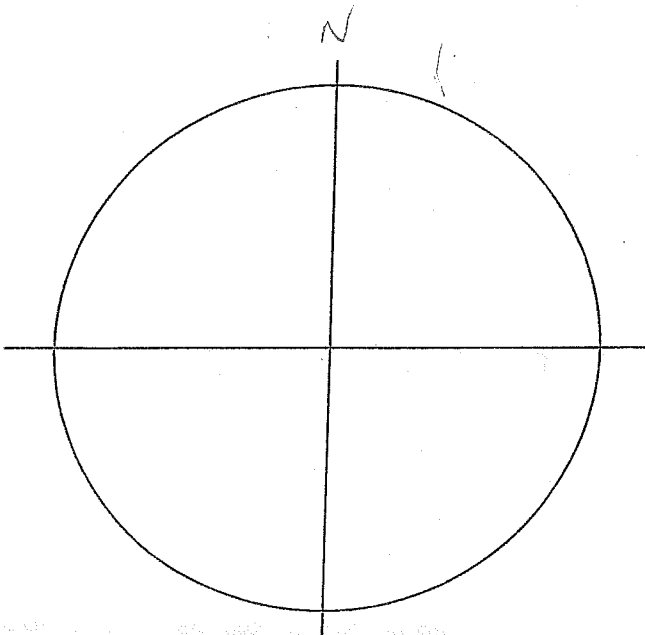
N/D

Habitat Notes, Results of Area Search

Station No. W6 Visit No. 1 Start Time 11:13 pm 5 min (10 min) (circle)

UTM or Waypoint WP553 (443969/4802186)

Weather Conditions T=16°C, W=0, cloud=0



N/D

Habitat Notes, Results of Area Search

NEEGAN BURNSIDE

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**Brewers Blackbird Surveys**

### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland T-42-45 - Brewer's Blackbird UTM Map no.: \_\_\_\_\_

Date: 18/06/2012 Observer: SKM

Wind (Beaufort scale): 1 Sky: fog Precipitation: none Temp: 18°C

Comments: dense fog but high bird activity - almost no wind  
visibility ~ 200m from last night

**Point Count Station**

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit	0547	0602	0619							

WP 713 714 715

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	INBU	1	1					
	SOSP	1	1					
	WOTH		1	1				
	AMGO		1					
	YAWA	1						
	GCFE	1						
	CDW	1						
	RWBL	1	1					
	BCH		1					
	AMRO			1			1	
GRCA						1		
2	EWPE	1						
	REVI	1						
	RWBL		1					
	SOSP		1					
	BAOR		1					
	INBU		1					
	AMRO			1				
GRCA		1						

Area searched - RBGR 1  
 AMGO 1

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
0602	2 (cont)							
	AMGO							
	BCEH							
	VWJA							
0619	3							
	BAOR							
	SO SP							
	VWJA							
	INBU							A
	COYE							
	JAVI							
	GCFE							
	VESP							
	WOZH							
	REVI							
	WRNU							
	COGR							
	GRCA							
	VBCO							
SHCO								
AMRO							A	
RWBL							+	

S L 0  
POD

Area Search HOWR  
BLJA

### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Area = 1300m x 39m UTM Map no.: \_\_\_\_\_

Date: 18/06/20 Observer: SCM

Wind (Beaufort scale): 0 Sky: Cloudy Precipitation: none Temp: 18 °C

Comments: log has been 20m/s at - visibility  
~ 500m

**Point Count Station**

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit	0718	0735								

WP 716 717

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	VEER	1						
→	HOWP	1						
	COYE							
	FWPE							
	SCFE							
	NOCA							
	INBI							
	WOTV							
	VEEP							
	AMCR							FY
	GRHE							
	SOSP							
Field →	HOLA							
	CATO							
	OUGN							
	NOFL							
	COYO							OB

Area Search EATO 11





### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland - 28<sup>Area-sensitive</sup> and survey UTM Map no.: \_\_\_\_\_

Date: 18 / 06 / 2022 Observer: SKM

Wind (Beaufort scale): 1 Sky: clear Precipitation: none Temp: 18 °C

Comments: early fog has turned off to a large extent - visibility > 1 km (still misty in some areas)

**Point Count Station**

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit	<u>0839</u>									

Barah's WP  
P

↑  
5500 →  
Area Search (along N side)  
↓  
same area search

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	SCTA			1				
	RBGR		1					
	SOBP	1				1		
	BCEZ	1						
	COGR	1						
	BCCU			1				
	BHCO			1				
	WAVI			1				
	GRCA			1				
	TRSP			1				
	HOLA					1		
	AMCR					1		
	RELI					1		
	SCTA		1			1		
	OVEN		1					
	EWPE							
	GRCA		1					
	BHCO	1						
	BCCU	1						

Second  
(SCTA singing to W - first singing to SE)



**Appendix 3. Sample data sheet for ten-minute point counts**

*Brewer's Blackbird Survey*

Location (Site Name): Northland north of T-26 UTM Map no.: \_\_\_\_\_

Date: 18/06/2012 Observer: SKM

Wind (Beaufort scale): 2 Sky: clear Precipitation: none Temp: 20°C

Comments: \_\_\_\_\_

**Point Count Station**

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit	0915	0929	0945	0959						

*WP 729 728 727 726*

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	COYE	1						
	HOWR		1					1
	AMRE	1					1	
	VESP		1					
	SOSP	1						
	YWA		1	1				
	GRCA	1						A
	INBO	1						
	REVI			1				
	BHCO	1						
WBNU					1			
2	REVI	11						
	SOSP	1	1					A
	YWA	1						
	CSGR	11						
	WBNU	1						F
	COYE		1					
	AMGO		1					
BHCO	1							

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
2	MODD							
	AMRO							
2	LEPL							A
	GRCA							A
0945	3	YWA	11 ♀+♂					PF (A)
	SOSP							A
	AMRO							A
	INBO							
	AMGO							A
	LEPL							A
	REVI							
	BHCO							
	GRCA							A
	NOFL							
0959	4	GRCA						
	SOSP							
	REVI							
	AMRO							
	YWA							T
	WAVI							
	CAW							PF
	BOBO							
	MODD							
	GCFZ							
	RWBL							A
	BHCO							

0945  
group of birds  
singing

0959

in wheat field  
adjacent

Area Search - CHSP

### Appendix 3. Sample data sheet for ten-minute point counts

T29-32

Location (Site Name): Northland Area - Sensitive Birds UTM Map no.: \_\_\_\_\_

Date: 19 / 06 / 2012 Observer: Sarah Maingray

Wind (Beaufort scale): 2-3 Sky: clear Precipitation: none Temp: 14°C

Comments: occasional stronger gusts

#### Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit	0534	0551	0618	0633	0659	0722	0748			

Waypoint 732 733 734 732 721 720 719

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	REVI	111				1		1
	WOH		11					2
	AMCR							0
	WITU	1						1
	SOSP	1						1
2	EAPH		1					1
	REVI	1	1					2
	WITU	1						1
	INBU		1					1
	COYE		1					1
	AMCR							0
3	SOSP					1		1
	GRCA	1						1
	INBU			1				1
	AMCR			1				1
	VEER			1				1
	EWPF		1					1
OVEN			1				1	

same as calling

Area Search RBWO  
NOFL

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
0618	3cont							
	AMGO							
	HAWK							
	REVI							
0633	4							
	OVEN							
	REVI							
	AMCR							○
	AMRO							A
	UNWD							
0659	5							
	REVI							
	HAWK							
	SOSP							A
	AMRO							A
	GCFE							
	COYE							
	BLSA							
	WOTH							
0722	6							
	RBGR							A
	HAWO							
	INBW							
	AMGO							○
	AMRO							A
	REVI							
	SCTA							
0748	7							
	EWPE							
	GCFE							
	WOTH							
	REVI							
	OVEN							
	RBGR							
	BHCO							
	HAWO							
	BGEN							5
0810	8							
	OVEN							
	WOTH							
	GCFE							
	REVI							
	UNWD							
	BHCO							
	AMGO							5

finished + out of forest at ~ 0830 - walked back along edge

Area Search - WCFR III HAWO 1  
 - all 6 at stn 7 exc. 1 OVEN II RTHA 1 - also YBSA 1 A

### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland T-21 UTM Map no.: \_\_\_\_\_

Date: 19/06/2012 Observer: SKM

Wind (Beaufort scale): 3 Sky: clear Precipitation: none Temp: 25°C

Comments: Brewer's Blackbird and warbler monitoring survey

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit	0915	0928	0940	0958						

Waypoint 735 736 737 738

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	WIFL		1					
	INBO	1						
	WAVI	1	1					
	AMRO	1				1		A
	RWBL		1	1				
	BHCO	1						
	YWA		1					
	SOSP	1						
2	RWBL	1	1					A
	SOSP	1						A
	WAVI	1						
	YWA	1	1					
3	SOSP		1			1		
	YWA	1						
	BHCO		1					
	AMRO		1					
	INBO			1				
	RWBL					1		

0940

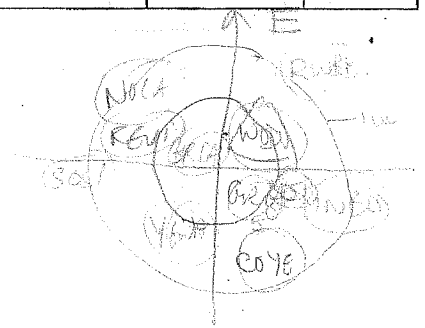


Stn	Species Code	First five minutes			Second five minutes			Total	
		0-50m	51-100m	>100m	0-50m	51-100m	>100m		
4	RCW	11						NY	
	WOODU	1							
	GRFR	11	1						
	SO SP		1						
	INBU		1						
	ANRO			1					
	YAWA	1							
	GRCA	1				1			A
	RWBL		1						
	COYE					1			
	NOCA					1			
		Area Search							
	NOCA	1							

0958

leaves  
activity  
here

Marsh monitoring played at 0955  
Area Search - CODW (on way back)



### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland T43-45 UTM Map no.: 17T (?)

Date: 29/05/2012 Observer: SKM

Wind (Beaufort scale): 3 Sky: cloud 30% Precipitation: none Temp: 21 °C

Comments: Dense CWT + CUT along large main - possible  
Brewer's habitat - power lines cross here  
solar panel makes access point

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	440575	440330	440066							
UTM Northing	4796962	4797011	4797098							
Time of visit	0538	0553	0608							

Waypoint 713 714 715

some  
baccara  
ash,  
apple,  
juniper  
sumac

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	INBU	1						SM
	MODD	1						SM
	FISP			1				SM
	RWBL		1	1	1			A
	AMGO	1						SM
	BCCA		1					SM
	GRCA	1						SM
	EAKI		1					SM
	Toads (2 ind)	1		1				VD
	SOSP	1	1	1				A
	RBGR	1						SM
HOWR						1	SM	
2	RBGR	1	1					T
	HOWR	1						
	VWVA	1						
	SOSP	1	1					T
	SWTH	1						
	COYE		1					
VEEP			1					

min  
1/2 way  
1/3  
1/4  
1/5

main marsh in middle

wind boreat for 80%  
pushed 300 print another 30 m so  
a good band of drain to W (100 m)

↑  
highest  
including  
10000



### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland T39 UTM Map no.: \_\_\_\_\_

Date: 29/05/2012 Observer: Sarah Mainbury

Wind (Beaufort scale): 1 Sky: clear Precipitation: none Temp: 25 °C

Comments: interior bird habitat survey  
wind died to 0 during point count

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	442903	443151								
UTM Northing	479732	479769								
Time of visit	0653	0708								

Waypoint 716, 717

Poplar forest  
to  
opp edge NW

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	OVEN	1						
1	REWI	1						
1	WOTH	1						
1	GCFE							
1	HAWO						1	
1	ALFL							
1	BHCO	1						
1	WITU	1						
1	HOWR	1						A
1	COYE		1					
1	FISP							
1	BAOR						1	
1	SOSP						1	
2	VEER	1						
2	WOTH		1					
1	HOWR							
1	GCFE		1					
1	INBU	1						
1	ALFL			1				

Area Search - COYE  
AMRE  
BWWA (olive-winged)  
INBU  
- 2 birds on edge



### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland nr. T-47+33 UTM Map no.: \_\_\_\_\_

Date: 29/05/2012 Observer: SLM

Wind (Beaufort scale): 1-2 Sky: clear Precipitation: 0 Temp: 25 °C

Comments: rich deciduous forest - mature forest interior habitat survey

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	443396	443137	442877	442618	442359	442100				
UTM Northing	4799458	4799422	4799386	4799350	4799314	4799278				
Time of visit	0803	0823	0847	0909	0927	0946				

Waypoint 718 719 720 721 722 724  
*detailed 723*

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	VEGR	1						A
	OVEN	1		1	1			
	RAVI	1	1			1		T
	RBGR	1						
	WOTH		1					
	AMCR						1	
	GCFL					1		
	YTVI				1			
2	RAVI	1	1				1	
	GCFL	1						A
	WOTH		1					
	RBGR		1					
	VEGR	1						A
	GWPE		1					
	AMCR	1						
	BRCR		1					
	WOTH		1					
	BHCO		1					
OVEN						1		

*ephaeal  
probr  
rele*

*Overstorey  
facies  
rele*

*little or no wind some birds in flight - slightly cloudy*

Strn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
2	CAWA						1	SM
2	WTVI					1		SM
3	REVI	11				11		SM
3	OVEN		1	1				T
3	WOTH	1						A
3	BGGN		1					SM
3	GCFE		1					SM
3	SOSP		1					SM
3	BHCO				1			SH
3	AMGO		1					0
3	HAWO				1			SH
3	COGR		1					0
4	SOSP		1					SM
4	REVI		11					T
4	HOWR	1				1		SM
4	AMCR						11	0
5	REVI	1			1			0
	AMCR			1				0
	AMGO							0
	HOWR		1					SM
	GCFE						1	
	INBU							SH
	COGR							FS
6	ENPE	1						SM
	AMCR			1				0
	REVI		1					
	GRCA				1			
	GCFE				1			A
	WITU				1			NY
	OVEN				1			

0833  
0847  
lush  
swamp  
forest  
0909  
drier  
edge  
habitat  
0927  
lots  
of  
poplar  
in  
overstory  
here  
wind  
1-2  
0946

Area Leach -

→ AMRE 1 BWWA 1 - edge  
HOWR 1

CAWA increase to 442981 | 4799385 (single point in 210m)

### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland - Property next to T26 UTM Map no.: \_\_\_\_\_

Date: 30/12/2012 Observer: SKM spe

Wind (Beaufort scale): 0 Sky: clear Precipitation: none Temp: 13 °C

Comments: Survey for Brewer's Blackbird

#### Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	442894	442843	443095	443349						
UTM Northing	480299	480297	480295	480292						
Time of visit	0515	0532	0550	0605						

waypoint 726 727 728 729

Young  
ash &  
choke  
cherry

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	Y6WA	1	1					
	SOSP	1	1					
	AMRO		1					
	GRCA	1	1					
	WAVI		1					
	RWBL		1		1			
	COYE	1	1					
	AMRE		1					
	BCCH		1					
	MALL					1		
2	LEH	1						1
	BAOR	1		1				
	SOSP	1	1				1	
	Y6WA	1	1	1		1		
	WAVI		1					
	HOWR			1				
	REVI		1					
AMRO				1				

#### Area Search

- WIFL 1
- EAKI 1
- CEBW 1
- BHCO 1
- BGBN 1



Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
3	LEFL	1						1
	GRCA	11						11
	COYE		1					1
	YHQA	1	1					2
	INBU		1					1
	SOSP	1						1
	BGGN				11			11
	RHCO					11		11
4	BRTH	1	1					2
	HOWR	1	1					2
	SOSP	11						11
	YHJA	1						1
	EUST	1111						1111
	DOWO	1						1
	MODO		1					1
	WAVI		1					1
	RAVI				1			1
	INBU				1			1
AMRE					1		1	

0505

0605  
dense  
corral  
with ash  
along edge

WIFL 1

do one more from Pepper Road if time

### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland - adjacent to T-27 UTM Map no.: Forest-interior

Date: 30/05/2012 Observer: SKM

Wind (Beaufort scale): 0 Sky: clear Precipitation: none Temp: 15 °C

Comments: Forest interior bird survey

#### Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	443939	443976								
UTM Northing	4802379	4802195								
Time of visit	0640	0653								

wp 730 731

Young decid forest - poplar etc.

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	WOTH	11						
1	COYE	1			1			
1	AMRE	1	1					
1	WBND	1						
1	REVI	1	1					
1	BHCO	1						
1	HOWR	1						
1	GRCA	1						
1	CHSP							A
1	AMRO	1						
1	BCCH				1			
1	BLJA					1		
2	GRCA	1						
	AMCR			1				
	CHSP	1						
	HOWR		1					
	REVI		11					
	BHCO							
	COYE				1			
	GCFE							
	AMRO							

Young poplar here too



### Appendix 3. Sample data sheet for ten-minute point counts

466  
250  
216

Location (Site Name): Northland nr. T-29 UTM Map no.: \_\_\_\_\_

Date: 30/05/2012 Observer: SKM

Wind (Beaufort scale): 0 Sky: clear Precipitation: 0 Temp: 15°C

Comments: continued point counts for interior - forest birds within this large forest block

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	442985	442898								
UTM Northing	4800394	4800181								
Time of visit	0719	0741								

Waypoint 732 733

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	REVI	11	1					T
	GCFL	1						SH
	BLJA							SH
	HOWR		1					SH
	AMRO	1						
	SBSP	1						
	AMCR	1						
	INBU							SH
	PIWO							
	BCCFI					1		
2	REVI	1	1					
	COYE		1					
	SBSP	1	1					
	WOTH		1					
	DOWD		1					
	AMGO		1					
	AMCR							
	edge VESP			1				SH
AMRO						1		



### Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Northland Rd. to T-21 UTM Map no.: \_\_\_\_\_

Date: 30/05/2012 Observer: SKM

Wind (Beaufort scale): 1-2 Sky: clear Precipitation: 0 Temp: 17°C

Comments: Brewer's blackbird survey along drain, marsh monitoring survey in marsh at top

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting	442684	442944	443184							
UTM Northing	4804236	4804250	4804337							
Time of visit	0812	0834	0850							

Waypoint 735 736 737

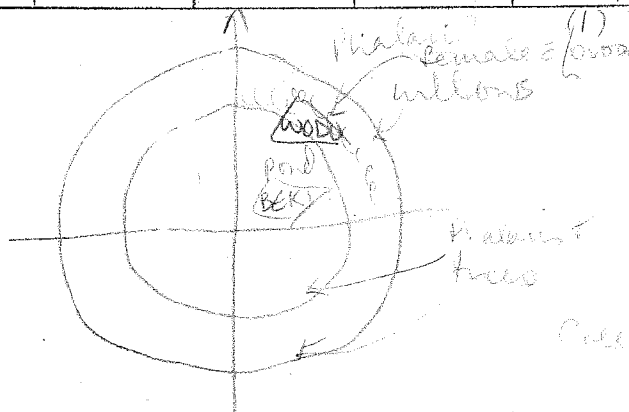
wp 734 at road

narrow waterways with scattered vegetation - shrubs

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
1	BAOR	1						
	COGR	11						
	MODD	1						
	AMRD	1			1			
	WAVI		1					
	REVI		1					
	BamSw		1					
	COYE		1					
	YFWA		1					
	BHCO	1						
	EVST		1					
	COGR				11			
	EWPE				11			
	RWBL				11	1		

Area Search  
OROR

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
0834 open hybrid poplar + shrubs here & some ash	2 RWBL							T
	COYE							F
	YWA							
	COGR							F
	AMRO							
	EUST							
	VESP							
	SPSA							
2 AMRO								A
2 AMGD								
	BRTH							
0850	3 AMGD							
	SOSP							
	YWA							
	AMRE							
	EUST							
	VESP							
	RWBL							
	BHCO							
	COGR							
	INBU							
	PUMA							
	MODD							
0907 at pond	4 RWBB							
	YWA							
	EUST							
	AMRO							
	EWPE							
	SOSP							
	Green Frog							
	TRSW							
	EAKI							
	BAOR							
	AMGD							
	RWBL							
	PUMA							
	Bank Sw							
	COGR							
	GCFZ							



Musk rat = (1) (NY) started  
 March 11, 2018  
 @ 0918  
 - 10 musk rat calls heard  
 Musk rat  
 Green frogs all around pond

NEEGAN BURNSIDE

---

**Reptile Survey**



<b>ELC</b> <b>WILDLIFE</b>	SITE: SH#1 (near T-40)	
	POLYGON: FDDS-8	
	DATE: April 25, 2012	
	SURVEYOR(S): CP	
	START TIME: 1550	END TIME: 1630

TEMP (°C): 14°	CLOUD (10th): 0	WIND: 1	PRECIPITATION: NO
----------------	-----------------	---------	-------------------

CONDITIONS: Sunny, 1st warm day in a week

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS		SNAGS	
<input checked="" type="checkbox"/>	HIBERNACULA (snakes)	<input checked="" type="checkbox"/>	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
OB	field mouse								
OB	wild turkey (hen)								

**FAUNAL TYPE CODES (TY):**  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

**EVIDENCE CODES (EV):**  
 BREEDING BIRD - POSSIBLE:  
 SH = SUITABLE HABITAT SM = SINGING MALE

**BREEDING BIRD - PROBABLE:**  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

**BREEDING BIRD - CONFIRMED:**  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

**OTHER WILDLIFE EVIDENCE:**  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

NOTES:

- Located S of Turnbull Rd bridge
- many concrete, rock rubble piles
- wood debris, rubbish along woodlot edge, soil mounds
- appears to be suitable snake hibernacula although no individuals observed
- 40 minutes of observation although no snake observations
- observed 1 field mouse, 1 wild turkey (hen)
- good conditions for snakes to be out basking/gestation

LEVEL

<b>ELC</b>  <b>WILDLIFE</b>	SITE: SH#2 (west of T42)	
	POLYGON: FDD4-2	
	DATE: April 25, 12	
	SURVEYOR(S): CP	
	START TIME: 1700	END TIME: 1730

TEMP (°C): 14	CLOUD (10th): 0	WIND: 1	PRECIPITATION: non
CONDITIONS: Sunny, first warm day this week			

POTENTIAL WILDLIFE HABITAT:			
VERNAL POOLS		SNAGS	
<input checked="" type="checkbox"/>	HIBERNACULA	<input checked="" type="checkbox"/>	FALLEN LOGS

SPECIES LIST:						SPECIES LIST:					
TY	SP. CODE	EV	NOTES	#		TY	SP. CODE	EV	NOTES	#	

**FAUNAL TYPE CODES (TY):**  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

**EVIDENCE CODES (EV):**  
 BREEDING BIRD - POSSIBLE:  
 SH = SUITABLE HABITAT SM = SINGING MALE

**BREEDING BIRD - PROBABLE:**  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

**BREEDING BIRD - CONFIRMED:**  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

**OTHER WILDLIFE EVIDENCE:**  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

**NOTES:**

- 2 rock piles and wood debris
- shallow drain flows north along woodlot and west along north side of woodlot
- drain is very shallow, potential fish habitat
- no observations of wildlife

<b>ELC</b>  <b>WILDLIFE</b>	SITE: (north of T-31)	
	POLYGON: FODS-8	
	DATE: APRIL 25, 12	
	SURVEYOR(S): CP	
	START TIME: 1800	END TIME: 1900

TEMP (°C): 12°C CLOUD (10th): 8 WIND: 1 PRECIPITATION: NO

CONDITIONS: turning overcast from sunny

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/>	VERNAL POOLS (north edge)	<input type="checkbox"/>	SNAGS
<input type="checkbox"/>	HIBERNACULA	<input checked="" type="checkbox"/>	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
OB	Wood Frogs								
DB	Cyprinids		observed in creek						

**FAUNAL TYPE CODES (TY):**  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

**EVIDENCE CODES (EV):**  
 BREEDING BIRD - POSSIBLE:  
 SH = SUITABLE HABITAT SM = SINGING MALE

**BREEDING BIRD - PROBABLE:**  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

**BREEDING BIRD - CONFIRMED:**  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

**OTHER WILDLIFE EVIDENCE:**  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

NOTES:

- Vernal Pools, very small (<15cm deep very shallow)
- no egg masses observed, no fairy shrimp, mosquito + black fly larvae
- 8 woodland frogs observed (spring peeper + wood frog)
- Den observed in wood pile (Sara M, NSE has detailed notes)
- Watercourse flowing NW has cyprinids and areas where frogs may use during summer
- drainlike channel is sand + gravel substrate
- no rock piles observed or snake hibernacula
- no major standing water

LEVEL

<b>ELC</b>  <b>WILDLIFE</b>	SITE: T45+46	
	POLYGON: C44	
	DATE: May 11, 2012	
	SURVEYOR(S): JCF	
	START TIME: 1:30	END TIME: 1:30pm

TEMP (°C): 17°C	CLOUD (10th): 7	WIND: 4	PRECIPITATION: Nil
CONDITIONS: Sunny warm and dry			

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	SNAGS
HIBERNACULA	<input checked="" type="checkbox"/> FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#

FAUNAL TYPE CODES (TY):  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):  
 BREEDING BIRD - POSSIBLE:  
 SH = SUITABLE HABITAT SM = SINGING MALE

BREEDING BIRD - PROBABLE:  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

BREEDING BIRD - CONFIRMED:  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

NOTES:

- Watercourse flowing west, north of T45+T46, narrow riparian zone with smaller drain like channels
- Substrate is sand to some gravel
- W. Sucker spawning and other cyprinids observed
- minimal bank erosion
- riparian grassed to some mature deciduous trees
- wetted width 1.4 to 2.3m
- wetted depth 0.20 to 0.35m
- top of bank 2.5m
- bank full width 6.0m
- bank full depth 2.5m

⊗ No woodland breeding habitat  
 - No snake hibernacula  
 - No turtle overwintering or nesting areas

LEVEL

<b>ELC</b>  <b>WILDLIFE</b>	SITE: T-48		
	POLYGON: F0D4-Z		
	DATE: May 11, 2012		
	SURVEYOR(S): CP		
	START TIME: 10:00am END TIME: 11:30am		

TEMP (°C): 17.8	CLOUD (10th): 0	WIND: 4	PRECIPITATION: Nil
CONDITIONS: Sunny warm and dry			

POTENTIAL WILDLIFE HABITAT:			
VERNAL POOLS		SNAGS	
HIBERNACULA		FALLEN LOGS	<input checked="" type="checkbox"/>

SPECIES LIST:									
TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
1	wild turkey								
	deer tracks								

**FAUNAL TYPE CODES (TY):**  
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

**EVIDENCE CODES (EV):**  
 BREEDING BIRD - POSSIBLE:  
 SH = SUITABLE HABITAT SM = SINGING MALE

**BREEDING BIRD - PROBABLE:**  
 T = TERRITORY D = DISPLAY P = PAIR  
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

**BREEDING BIRD - CONFIRMED:**  
 DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG  
 NE = EGGS NY = YOUNG FS = FOOD/FAECAL SACK  
 AE = NEST ENTRY

**OTHER WILDLIFE EVIDENCE:**  
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS  
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG  
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT  
 SI = OTHER SIGNS (specify)

**NOTES:**

- assessment of watercourse within 120m of T-48
- watercourse within mature deciduous forest, fish habitat is cyprinid spawning observed (creek chub) and other species
- wetted width ranges 1.3 to 2.5m
- wetted depth 0.10 to 0.25m (pools)
- channel width ≈ 6.0m
- mean bank full width ≈ 3.8m
- active bank erosion on both sides
- wild turkey observed and deer tracks
- ⊗ no turtle or snake habitat (hibernacula) observed within wood lot
- ⊗ no woodland Amphibian breeding habitat

GRAND BEND

March 22/12

TUNDRA SWAN SURVEYS

start @ 8:50 am, T=15°C, w=1 - start along N transm line

MALL II (M+F)

RTHA I - sitting on hydrowire on CR 183, just w of  
Oak Line, just past bend

9:26 am sewage lagoons

- AMTO CODE 1-4 in southern cell

- TUNDRA SWANS - 42 individuals

\* on berm and then went into northern  
cell to swim around

- Buffleheads in cells too - 28 ind

- CAGO in w swans - 4 individuals

- 4 mallards - Greater Scaup too

Grand Bend March 22/12 SP+LL  
= 3 ~~Trumpeter~~ swans flew away from north-  
cell to East at about 40m height.

West pond

AMT01-2

NOLE 1-1

~~Trumpeter Swans - 70~~ Mute Swan - 1  
Bufflehead - ~~100~~ 50 Tundra Swan - 73  
Canada Geese - 2 Greater Scaup - 50

\* swimming around in pond, and on  
west berm

Potential Staging Areas

CAMPBELL AVE 10:55 am 20°C wind=1

CAGD - IIII

a bit hazy over  
water

Bufflehead +++ +++

RBGU - 40+

Hendrick Rd 11:06 am 20°C wind=1

outlook over lake; on top of bluff

RBGU - 50+

ducks (way off in distance)

buffleheads - 50+

bank swallows - obs 1 flying down into  
bluff

S. TRANSMISSION LINE

- no staging areas + no swans - occasional  
concentrations of  
RBGU in fields  
end @ 12:20 pm



TUNDRA SWAN EVENING SURVEY

March 22/12

start @ 5pm, end @ 7pm

T: 27°C, W: 1, hazy, but clear to see distance

- no swans or ducks in the north

or south sewage lagoon ponds

West pond 5:20 PM

TUNDRA SWANS - 100 individuals

BUFFLEHEADS - 15

SPPE 1-2 } in south pond

AMTO 1-4 }

RTHA - 1 flying overhead

GREATER SCAUP - 20

\* swans mostly gathered on west berm  
of west pond; some swimming  
in the pond itself

- along lake Huron @ end of Hendrick Rd

↳ 5 RBGU

↳ temp @ lake cooler ~ 12°C

- no swans etc. along south transmission line

- one RTHA being chased by 2 SMCE across

from "christmas tree plantation" on

Deshwood Rd - obs. around 4pm



# Grand Bend Tundra Swans & Snake Hibernacula

18 March 2012 - Sunny, 20°C,  
wind 3 slight fog esp. off shore  
investigated both transmission  
lines + all participating  
properties -

- Looked  $\bar{c}$  binoculars  
start 2:30 end 7:00  
Went down to Trudford Marsh  
at ~5:30 to look behind  
Lambton Heritage Centre -  
Saw flock of ~40 swans  
landing in field after flying  
around  $\bar{c}$  indecisively  
- 5 swans on ground + RB  
Culls.  
- Small areas of water  
in fields but low area  
evidence of pooling occupies  
~ 1/4 of area

20 March 2012 - Sunny, 19°C,  
wind ~2

started S. transmission line @  
10:30, started participating  
properties 11:30

- no waterfowl along S. transm.  
line

- looked over lake off Turnbull's  
Road - nothing except scattered  
RBG on lake

Chris Pohl phoned at ~1200  
to say he saw ~30 swans land  
on sewage lagoon (?) off N.  
transmission line just W of  
line 4 ( Hwy 4) - about 20-30  
already there.

Finished early survey @  
12:50

on lake  
No swans at Poplar Beach Road

Snake hibernacula search

① LN 2 - 806 400 - small area of  
wobble + rocks in CVM - no snakes  
large rock pile next to woods  
- no snakes brick concrete + stone <sup>+ some metal</sup>  
periwinkle throughout area - old lambs

# Grand Bend Snake Hibernacule

② - area of rubble - some collapsed on the bank + in at edge of creek  
- no snakes (brick, concrete, stones)  
some metal

③ - pile of large logs (30-50 cm dbh)  
- no snakes  
- at S end of woodlot - small pile of broken SATV egg shells + 1 large avian egg shell (white) - <sup>looks old</sup> (last yr)  
442594 00 / 4799390

1 baby EAGA on <sup>N</sup> slope to creek about 8 m S of this location  
abundant raccoon tracks along creek

④ - some signs of water working at corner of woodlot 50 m x 10 m (very small pool ~2m x 1.5m)


4 in a woodpile - old stumps + earth  
- no snakes

⑤ Rockpile @ WP 596  
443538 / 4803551

1 SPPC calling ~ 20 m E + logs + some metal debris here

abundant HAT in fields

Den here - in 9" diameter earth pile vernal pool @ WP 597 in front

-  shape  
- earth pile in a couple of areas along this edge but no rock piles  
- earth pile extends W from rubble pile - area is meadow + earth piles along edge, esp at SW edge

⑥ rubble pile @ WP 598  
443670 / 4803938

- large rubble, logs, earth, fines, den - no sign of fresh excavation (raccoon scat noted before here)

Rock pile @ WP 599

no snakes  
well covered  $\bar{c}$  earth  
443732 / 4803952

Vernal pool  $\bar{c}$  WOPR WP 600  
443755 / 4803937

# Grand Bend Snake Hibernacula & Tundra Swans

deer + k throughout edge  
of field

Rock pile well covered  $\approx$  earth  
@ WP 601 443796 / 4803950

many earth piles along this  
edge - not all rock

Large rock @ WP 602  
443868 / 4803931

rock pile (well covered  $\approx$  earth)  
@ WP 603 443921 / 4803937

Rock + log pile @ WP 604  
443979 / 4803930

deer blind here

- this extends to E to WP 605  
444031 / 4803922

intermittently to E end of  
property

- recent rock pile (not covered  
 $\approx$  earth) @ WP 606  
444057 / 4803921

end at 4:30 - Temp  $\approx$  25°C

Evening Swan survey start @  
5:00 V - start @ T-125

25°C wind 2, clear + sunny  
finished participating properties @ 6:45

- no swans on any participating  
properties

- many gulls over fields because  
they are being ploughed +  
manure sprayed (RBBV)

- no swans along N transmission exc:

- visited sewage lagoon(?) at  $\approx$  7:00

saw 5 swans landing on NW  
lagoon, saw 2 swans on NE

lagoon that flew over to  
NW lagoon but couldn't get

a good look at NW lagoon (posted)

Also present - RNDV + MALL

(about 10) in S. lagoon,  $\approx$  1:20

RNDV in NE lagoon but did  
not look closely

- abundant HOLA swimming on  
almost every field

- heard several EAPH in  
woods



